

SHARP®

香港電器安全規格
(國際電工委員會規格適合)

LC-42P7H

LCD COLOUR TELEVISION

液晶彩色電視機

液晶彩色电视机

OPERATION MANUAL

使用說明書

使用说明书

AQUOS



HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE

ENGLISH

中文 (繁體)

中文 (简体)

LC-42P7H

LCD COLOUR TELEVISION

ENGLISH

OPERATION MANUAL

Dear SHARP customer

Thank you for your purchase of the SHARP LCD colour TV product. To ensure safety and many years of trouble-free operation of your product, please read the Important Safety Precautions carefully before using this product.

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Trademarks

- “HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC.”

Important Safety Precautions

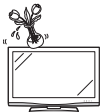
- **Cleaning** — Unplug the AC cord from the AC outlet before cleaning the product. Use a damp cloth to clean the product. Do not use liquid cleaners or aerosol cleaners.



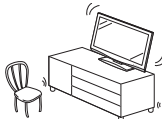
- **Water and moisture** — Do not use the product near water, such as bathtub, washbasin, kitchen sink, laundry tub, swimming pool and in a wet basement.



- **Do not place vases or any other water-filled containers on this product.**
The water may spill onto the product causing fire or electric shock.



- **Stand** — Do not place the product on an unstable cart, stand, tripod or table. Doing so can cause the product to fall, resulting in serious personal injuries as well as damage to the product. Use only a cart, stand, tripod, bracket or table recommended by the manufacturer or sold with the product. When mounting the product on a wall, be sure to follow the manufacturer's instructions. Use only the mounting hardware recommended by the manufacturer.



- **When relocating the product** placed on a cart, it must be moved with utmost care. Sudden stops, excessive force and uneven floor surface can cause the product to fall from the cart.



- **Ventilation** — The vents and other openings in the cabinet are designed for ventilation. Do not cover or block these vents and openings since insufficient ventilation can cause overheating and/or shorten the life of the product. Do not place the product on a bed, sofa, rug or other similar surface, since they can block ventilation openings. This product is not designed for built-in installation; do not place the product in an enclosed place such as a bookcase or rack, unless proper ventilation is provided or the manufacturer's instructions are followed.



- The LCD panel used in this product is made of glass. Therefore, it can break when the product is struck forcefully or with a sharp object. If the LCD panel is broken, be careful not to be injured by broken glass.



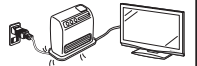
- **Heat sources** — Keep the product away from heat sources such as radiators, heaters, stoves and other heat-generating products (including amplifiers).



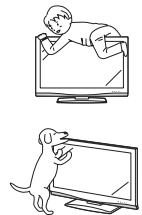
- To prevent fire, never place any type of candle or naked flames on the top or near the TV set.



- To prevent fire or shock hazard, do not place the AC power cord under the TV set or other heavy items.



- Do not place heavy objects on this product or stand on it. Doing so could cause injury if the product overturns. Take special care near children and pets.



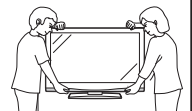
The LCD panel is a very high technology product with 6,220,800 thin film transistors, giving you fine picture details.

Due to the very large number of pixels, occasionally a few non-active pixels may appear on the screen as a fixed point of blue, green or red.

This is within product specifications and does not constitute a fault.

Precautions when transporting the TV

Be sure to always carry the TV by two people holding it with two hands — one hand on each side of the TV.

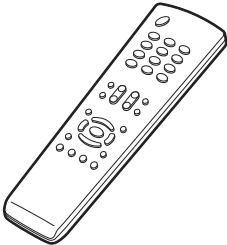

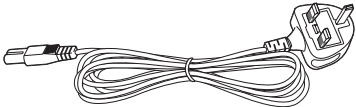
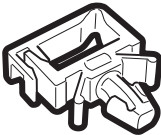
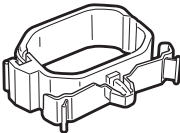
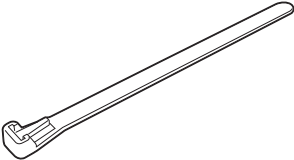
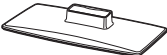

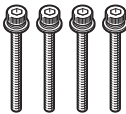







- Do not display a still picture for a long time, as this could cause an afterimage to remain.

- Install the product on the place where the AC cord can be unplugged easily from the AC outlet, or from the AC INPUT terminal on the rear of the product.

Supplied accessories

Make sure the following accessories are provided with the product.

Remote control unit	“AAA” size battery (× 2)	AC cord
		
Page 14	Page 5	Page 7
AC cord clamp	Cable clamp	Cable tie
		
Page 7	Page 7	Page 7
Stand unit		Operation manual
<div> Stand base</div> <div> Short screws (× 4)</div> <div> Long screws (× 4)</div> <div> Stand post</div> <div> Cloth</div> <div> Hex key</div> <div>Page 6</div>		

 **NOTE**

- Always use the AC cord supplied with the TV.
- The illustrations and on-screen displays in this operation manual are for explanation purposes and may vary slightly from the actual operations.

Preparation

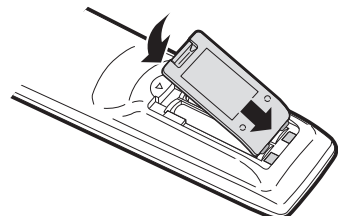
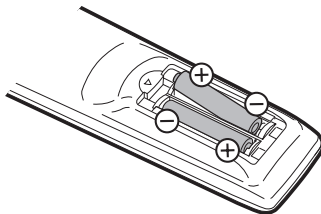
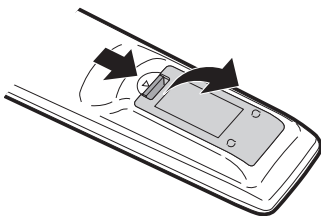
Inserting the batteries

Before using the TV for the first time, insert two “AAA” size batteries (supplied). When the batteries become depleted and the remote control fails to operate, replace the batteries with new “AAA” size batteries.

1 Open the battery cover.

2 Insert two supplied “AAA” size batteries.

3 Close the battery cover.



- Place batteries with their terminals corresponding to the (+) and (–) indications in the battery compartment.

CAUTION

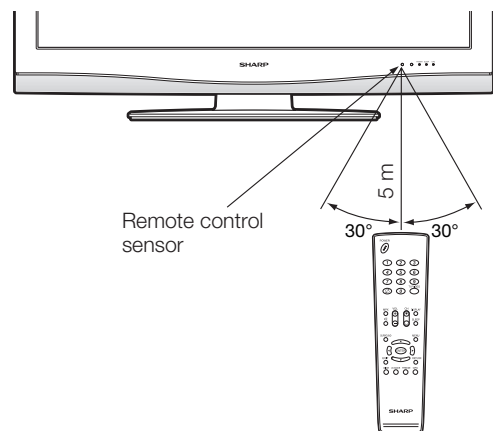
Improper use of batteries can result in chemical leakage or explosion. Be sure to follow the instructions below.

- Do not mix batteries of different types. Different types of batteries have different characteristics.
- Do not mix old and new batteries. Mixing old and new batteries can shorten the life of new batteries or cause chemical leakage in old batteries.
- Remove batteries as soon as they have worn out. Chemicals that leak from batteries can cause a rash. If you find any chemical leakage, wipe thoroughly with a cloth.
- The batteries supplied with this product may have a shorter life expectancy due to storage conditions.
- If you will not be using the remote control unit for an extended period of time, remove the batteries from it.

Using the remote control unit

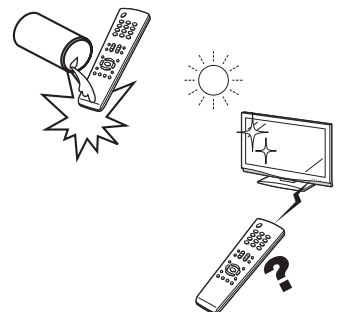
Use the remote control unit by pointing it towards the remote sensor window.

Objects between the remote control unit and sensor window may prevent proper operation.



Cautions regarding remote control unit

- Do not subject the remote control unit to shock. In addition, do not soak the remote control unit with liquids, or place it in an area with high humidity.
- Do not install or place the remote control unit under direct sunlight. The heat may cause deformation of the unit.
- The remote control unit may not work properly if the remote sensor window of the TV is under direct sunlight or strong lighting. In such case, change the angle of the lighting or TV, or operate the remote control unit closer to the remote sensor window.



Preparation

Attaching the stand

- Before attaching (or detaching) the stand, unplug the AC cord from the AC INPUT terminal.
- Before performing work spread cushioning over the base area to lay the TV on. This will prevent it from being damaged.

CAUTION

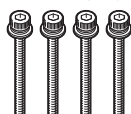
- **Attach the stand in the correct direction.**
- **Be sure to follow the instructions. Incorrect installation of the stand may result in the TV falling over.**

1 Confirm the 8 screws supplied with the TV.

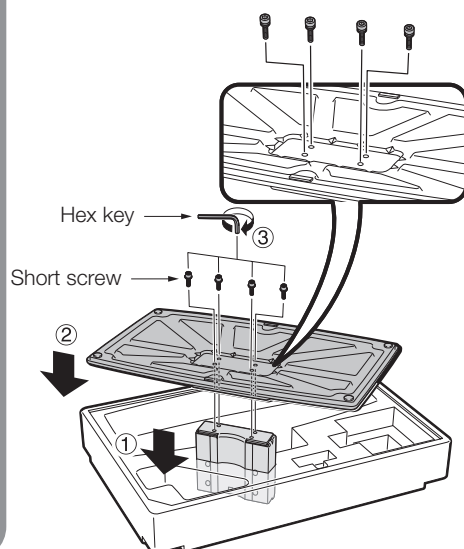
Short screws (× 4)
(used in step 2)



Long screws (× 4)
(used in step 3)

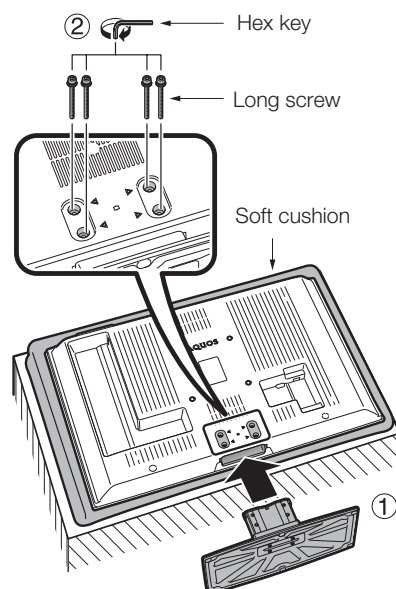


2 Attach the supporting post for the stand unit onto the base using the box for the stand unit as shown below.



3 ① Insert the stand into the openings on the bottom of the TV.

② Insert and tighten the 4 long screws into the 4 holes on the rear of the TV.



NOTE

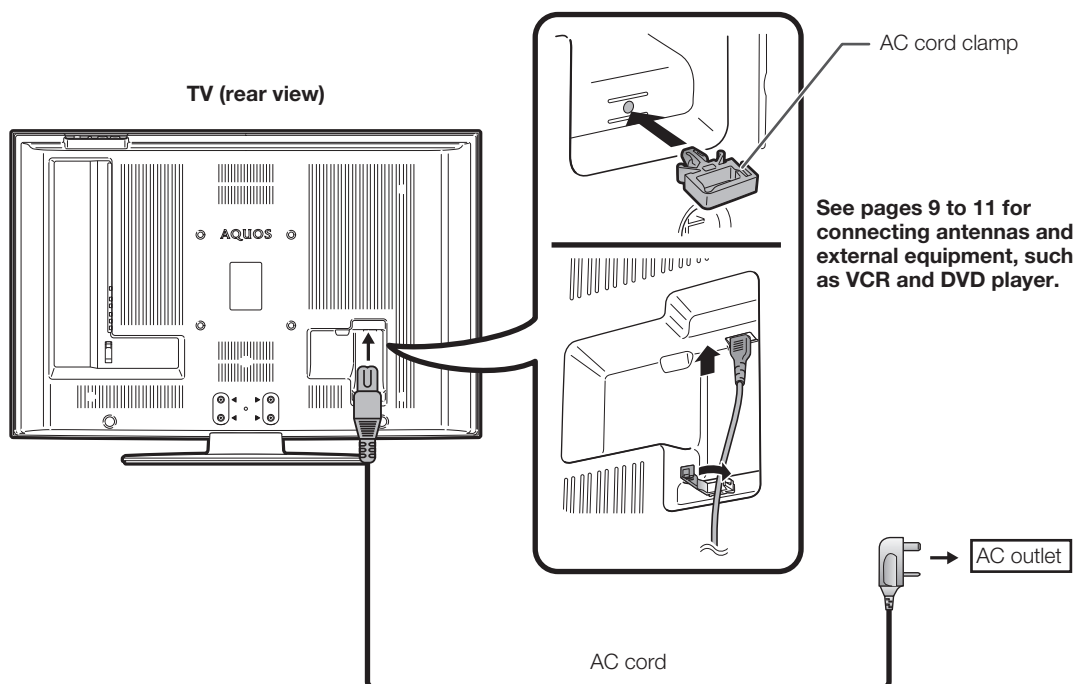
- To detach the stand, perform the steps in reverse order.

Setting the TV

Notes on installing the TV

- Avoid direct sunlight and place the TV in a well-ventilated location.
- Place the TV in a level location.

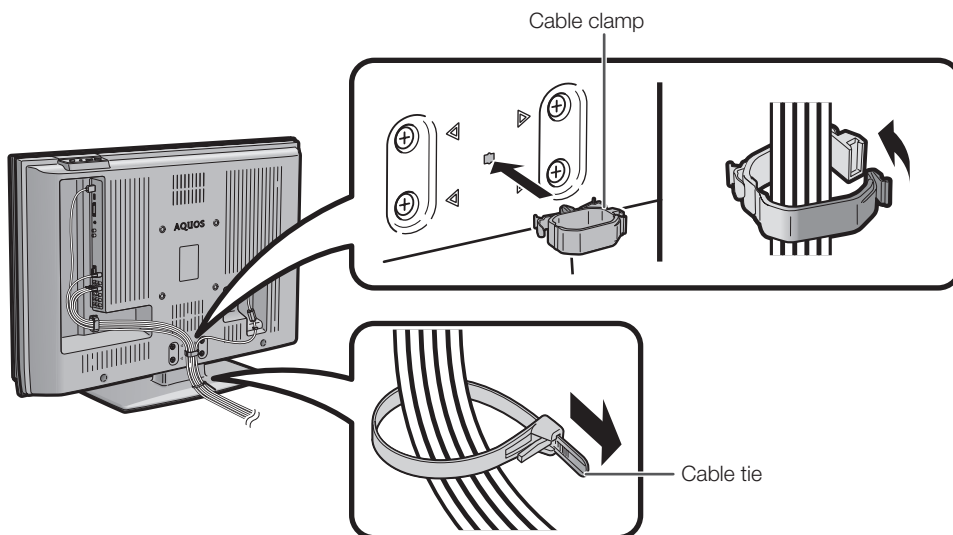
1 Connecting the AC cord, antenna, and external equipment to the TV



- Place the TV close to the AC outlet, and keep the power plug within reach.

2 Bundling the cables

Insert the cable clamp in the hole on the TV as shown.



CAUTION

- TO PREVENT RISK OF ELECTRIC SHOCK, DO NOT TOUCH UN-INSULATED PARTS OF ANY CABLES WITH THE AC CORD CONNECTED.

Preparation

Setting the TV on the wall

- You can mount the TV on the wall, using the optional AN-37AG2/AN-52AG1 bracket.
- For details, refer to the instructions supplied with the optional bracket.

CAUTION

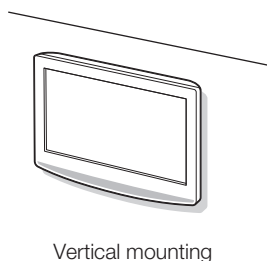
- **This TV should be mounted on the wall only with the AN-37AG2/AN-52AG1 (SHARP) wall mount bracket. The use of other wall mount brackets may result in an unstable installation and may cause serious injuries.**
- **Installing the Liquid Crystal Television requires special skill that should only be performed by qualified service personnel. Customers should not attempt to do the work themselves. SHARP bears no responsibility for improper mounting or mounting that results in accident or injury.**

Using an optional bracket to mount the TV

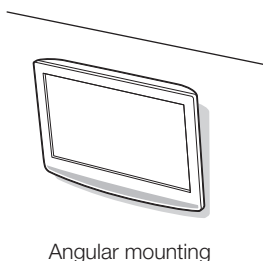
- You can ask a qualified service personnel about using an optional AN-37AG2/AN-52AG1 bracket to mount the TV to the wall.
- Carefully read the instructions that come with the bracket before beginning work.

Hanging on the wall

AN-37AG2/AN-52AG1 wall mount bracket.
(See the bracket instructions for details.)

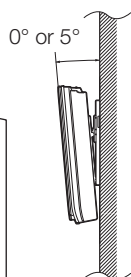


Vertical mounting

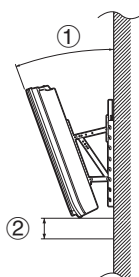


Angular mounting

About setting the TV angle and height adjustment



AN-37AG2



AN-52AG1

For AN-52AG1

① 0°/5°/10°/15°/20°

② -5/0/+5 cm
(can be moved 5 cm
up or down)

NOTE

- Detach the cable clamps on the rear of the TV when using the optional mount bracket.

Removing the stand

For wall mounting with the optional bracket, remove the stand.

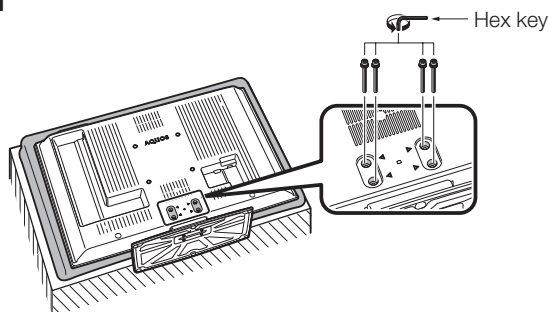
Before detaching/attaching the stand

- Before detaching (or attaching) the stand, unplug the AC cord from the AC outlet.
- Remove all terminal covers and connected cables.
- Lay the TV down on cushioning (such as a blanket) over a table.
- Make sure two or more people perform the operation.

CAUTION

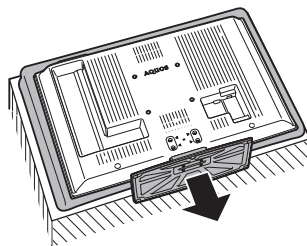
- **Do not remove the stand from the TV unless using an optional bracket to mount it.**

1



Unfasten the four screws used to secure the stand in place.

2



Detach the stand from the TV.
(Hold the stand so it will not drop from the edge of the base area.)

NOTE

- To attach the stand, perform the above steps in reverse order.

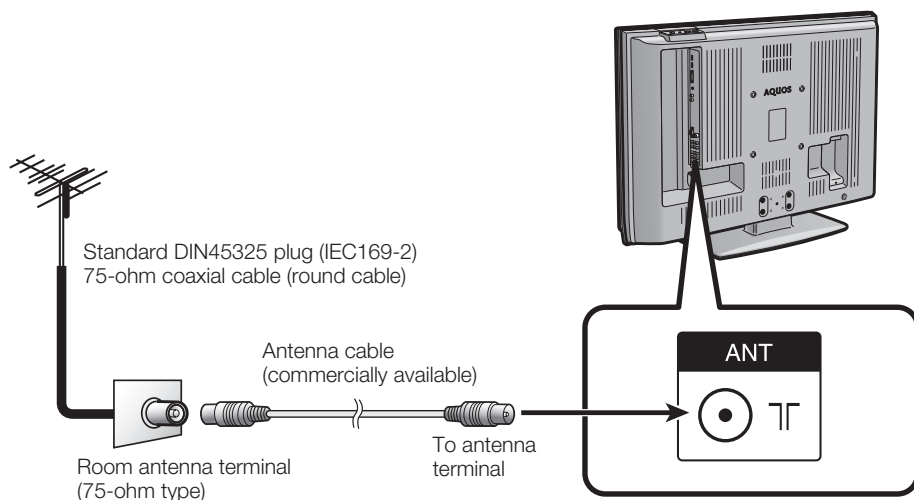
Preparation

Simple operations for watching a TV programme

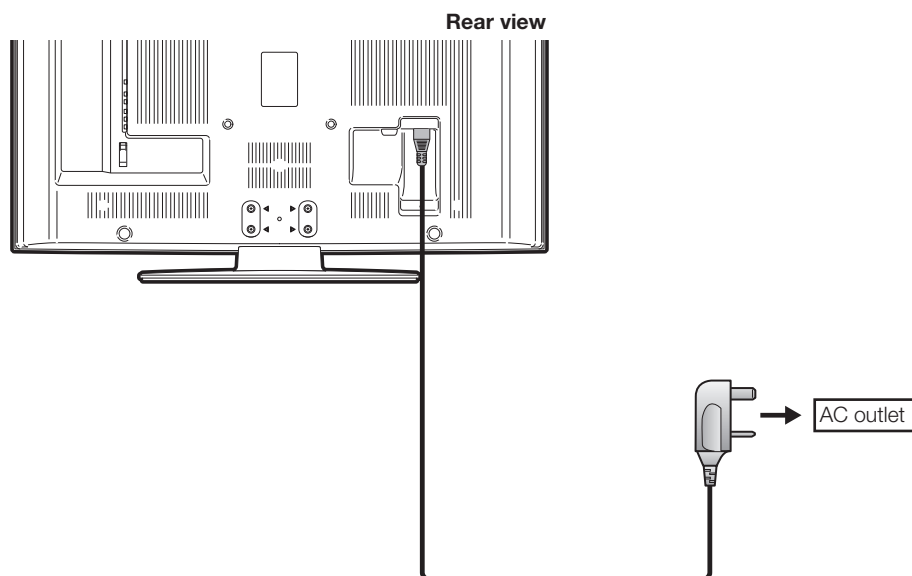
Basic connection

Connecting to an antenna

To enjoy a clearer picture, use an outdoor antenna. The following is a brief explanation of the types of connections that are used for coaxial cable.



Connecting to the AC outlet



NOTE

- Always turn off the power of the TV when connecting the AC cord.
- Disconnect the AC cord from the AC outlet if the TV will not be used for a long period of time.

Preparation

You can connect many types of external equipment to your TV, like a VCR, game console, camcorder, DVD player, Digital TV Decoder (STB) and PC. To view external source images, select the input source from **TV/VIDEO** on the remote control unit or **TV/VIDEO** on the TV.

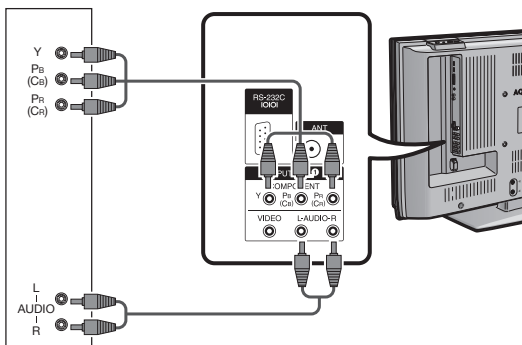
CAUTION

- To protect all equipment, always turn off the TV before connecting to a VCR, game console, camcorder, DVD player, Digital TV Decoder (STB), PC or other external equipment.
- Refer to the relevant operation manual (VCR, DVD player, etc.) carefully before making connections.

Connecting a VCR, game console or camcorder

A VCR, game console, camcorder and some other audiovisual equipment can be conveniently connected using the INPUT 1/INPUT 2 (component) terminals.

When using component cable (commercially available).



**VCR/
Game console/
Camcorder**

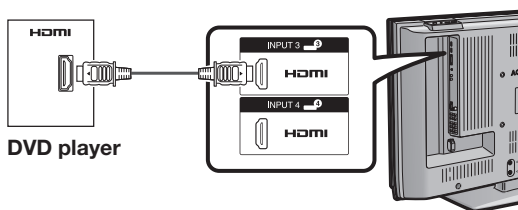
Connecting a DVD player

You can use the INPUT 1/INPUT 2 (component) or INPUT 3/INPUT 4 (HDMI) terminal when connecting to a DVD player and other audiovisual equipment.

NOTE

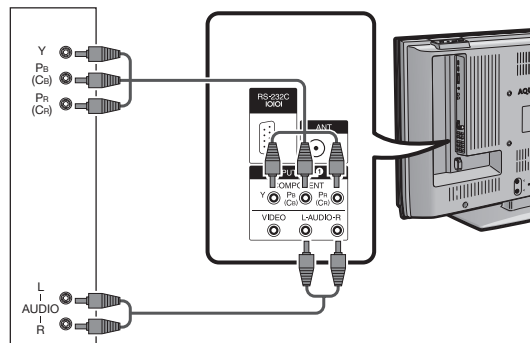
- When using a DVI-HDMI conversion adaptor, input the Audio Signal from the AUDIO terminal of INPUT 4.

When using HDMI cable (commercially available).



DVD player

When using component cable (commercially available).



DVD player

Preparation

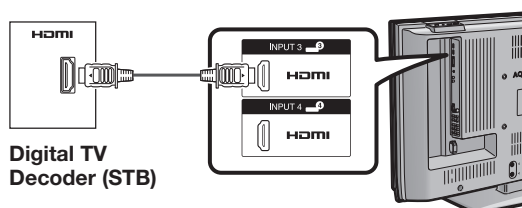
Connecting a Digital TV Decoder (Set Top Box)

You can use the INPUT 1/INPUT 2 (component) or INPUT 3/INPUT 4 (HDMI) terminal when connecting to a Digital TV Decoder (STB) and other audiovisual equipment.

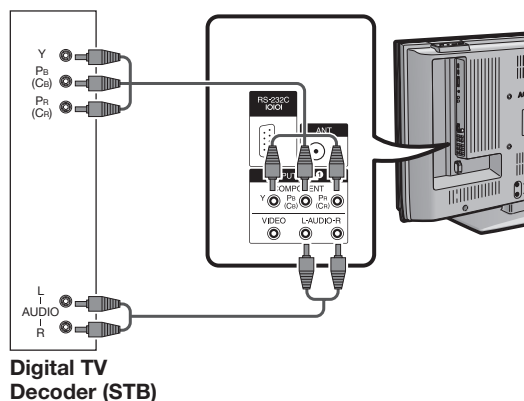
NOTE

- When using a DVI-HDMI conversion adaptor, input the Audio Signal from the AUDIO terminal of INPUT 4.

When using HDMI cable (commercially available).



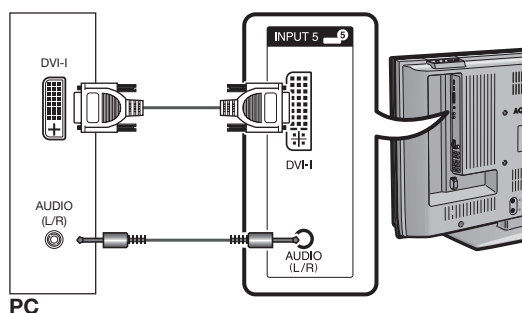
When using component cable (commercially available).



Connecting a PC

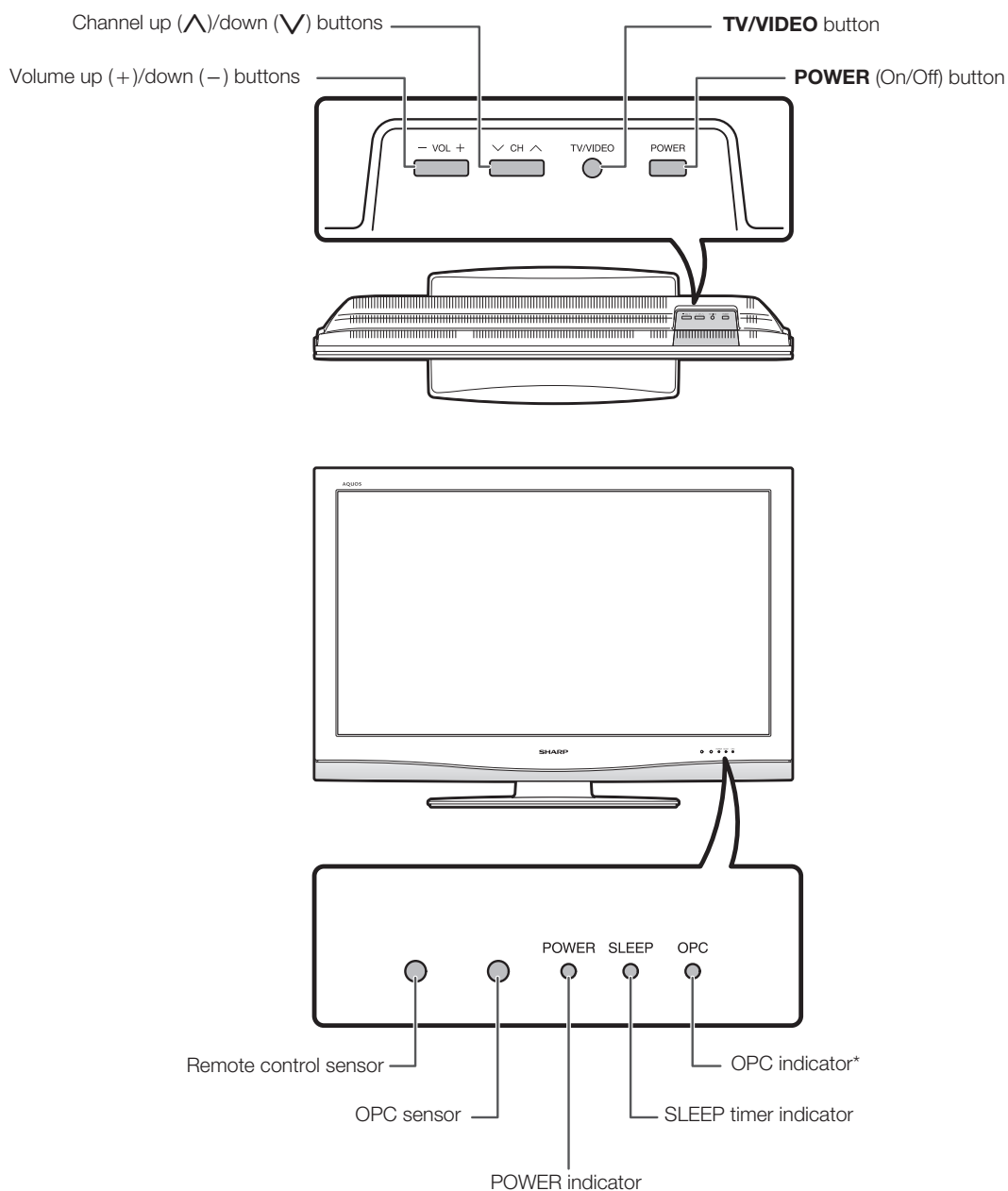
You can use the INPUT 5 (DVI) terminal when connecting to a PC.

When using DVI cable (commercially available).



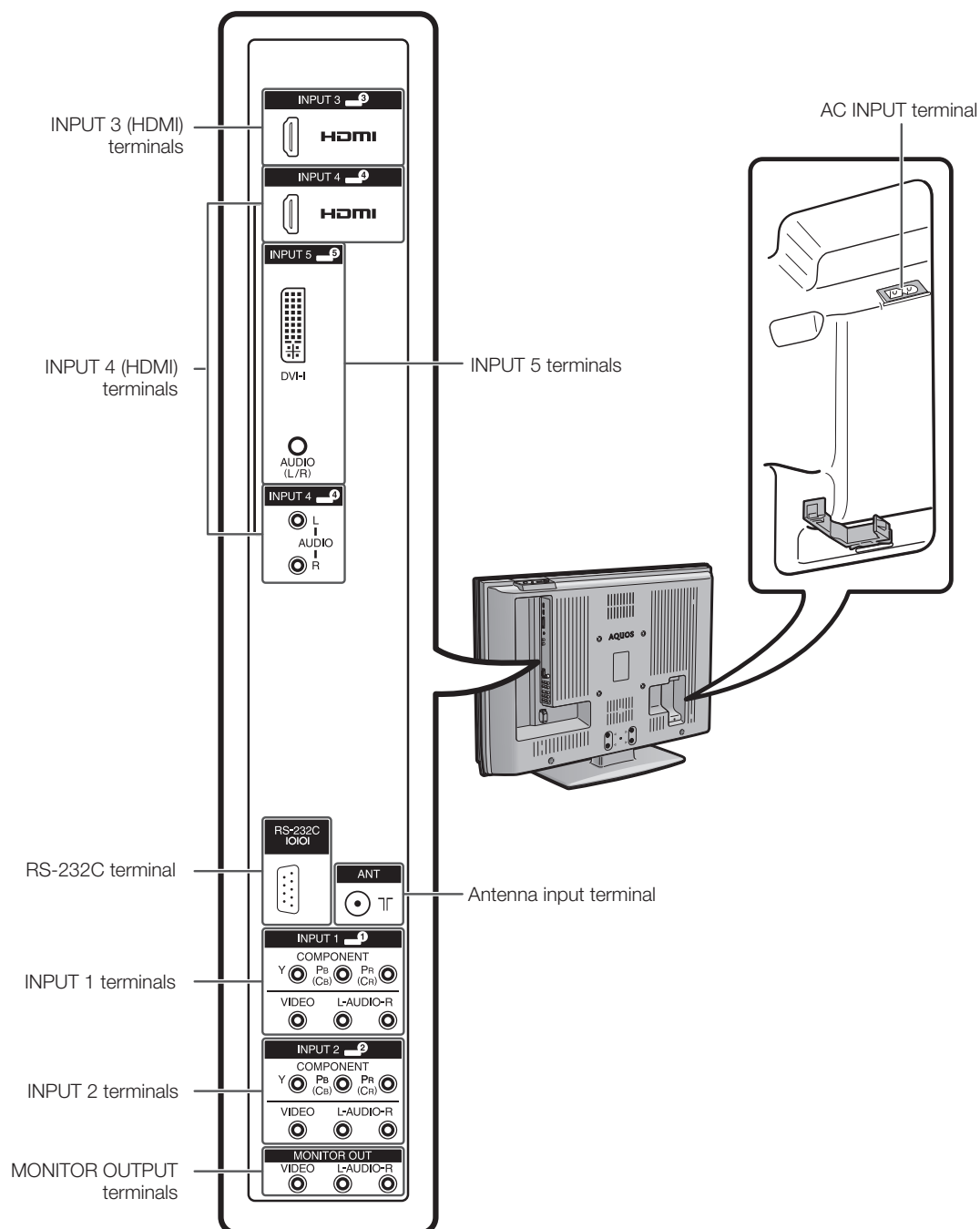
Part names

TV (Front)

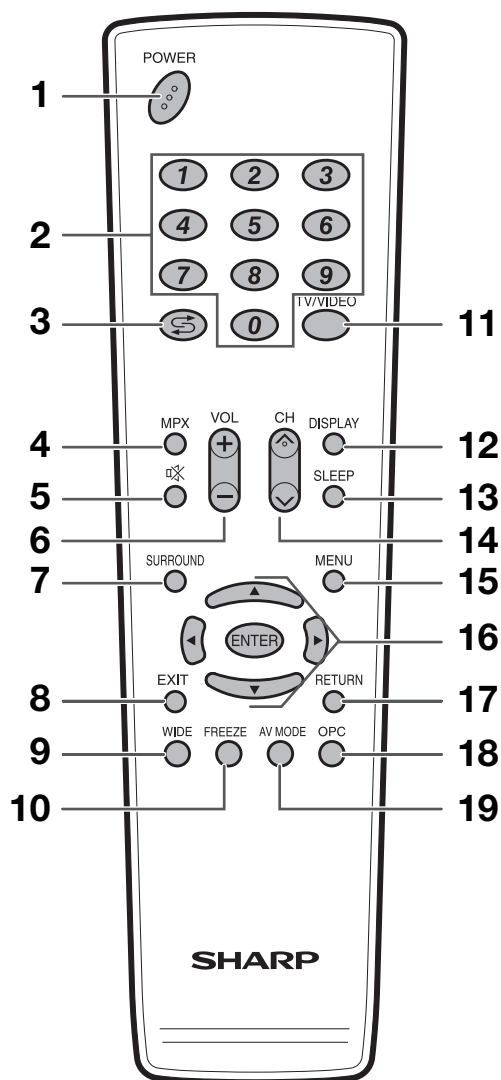


*OPC: Optical Picture Control
(See page 25.)

TV (Rear)



Remote control unit



NOTE

- When using the remote control unit, point it at the TV.

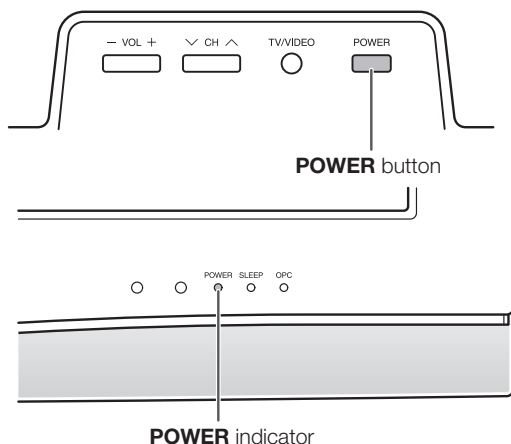
- 1 POWER (STANDBY/ON)**
To switch the power on and off. (See page 15.)
- 2 0 - 9**
Set the channel. (See page 15.)
- 3 ⏮ (Flashback)**
Press to return to the previous selected channel or external input mode. (See page 16.)
- 4 MPX**
Select the sound multiplex mode. (See page 16.)
- 5 🔇 (Mute)**
Mute the sound. (See page 17.)
- 6 VOL + / VOL -**
Set the volume. (See page 17.)
- 7 SURROUND**
Select Surround settings. (See page 29.)
- 8 EXIT**
Turn off the On-Screen Display.
- 9 WIDE**
Change the wide image mode. (See pages 37 and 38.)
- 10 FREEZE**
Freeze a motion picture on the screen. (See page 42.)
- 11 TV/VIDEO (INPUT SOURCE)**
Select an input source. (TV, INPUT 1, INPUT 2, INPUT 3, INPUT 4, INPUT 5) (See pages 10, 34 and 41.)
- 12 DISPLAY**
Display the channel or input information.
- 13 SLEEP**
Set the Sleep timer. (See page 17.)
- 14 CH ^ / CH v**
TV input mode: Select the channel. (See page 15.)
- 15 MENU**
Display the menu screen. (See page 18.)
- 16 ▲ / ▼ / ◀ / ▶ (Cursor)**
Select a desired item on the setting screen. (See page 18.)
- ENTER**
Execute a command. (See page 18.)
- 17 RETURN**
MENU mode: Return to the previous menu screen. (See page 18.)
- 18 OPC**
To switch the Optical Picture Control on and off. (See page 25.)
- 19 AV MODE**
Select an audio and video setting. (See page 25.)

Watching TV

Turning on the power

Press **POWER** on the TV.

- **POWER** indicator (Green): The TV is on. (After a few seconds, an image appears with sound.)
- After turning the power "ON" by pressing **POWER** on the TV, you can turn the power ON/OFF by pressing **POWER** on the remote control.



Turning off the power

Press **POWER** on the remote control.

- The TV enters standby mode and the image on the screen disappears.
- The **POWER** indicator on the TV changes from green to red.

Press **POWER** on the TV.

- The **POWER** indicator on the TV turns off.
- When the TV is turned off by **POWER** on the TV, you cannot turn on the power by pressing **POWER** on the remote control.

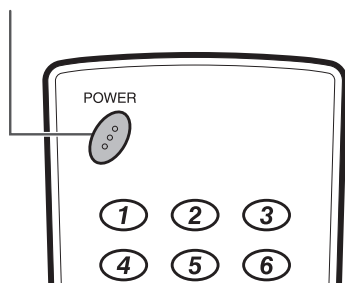
POWER indicator

Off	Power off
Red	The TV is in standby mode.
Green	The TV is on.

NOTE

- If you are not going to use this TV for a long period of time, be sure to remove the AC cord from the AC outlet.
- Minor power is consumed when the TV is turned off by **POWER** on the TV.

POWER button

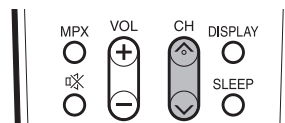


Simple button operations for changing channels

You can change channels in several ways.

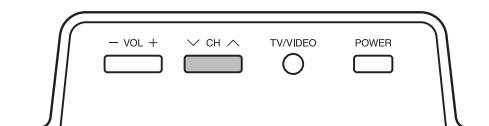
Using CH \wedge/\vee on the remote control unit

- Press **CH \wedge** to increase the channel number.
- Press **CH \vee** to decrease the channel number.



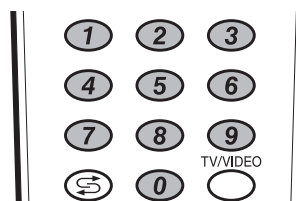
NOTE

- **CH \wedge/\vee** on the TV operates the same as **CH \wedge/\vee** on the remote control unit.



Using 0 – 9 on the remote control unit

Select the channels directly by pressing buttons **0** to **9**.



EXAMPLE

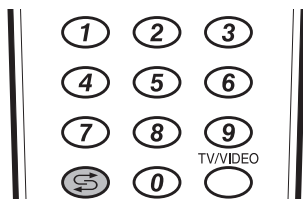
To select a 1-digit channel (e.g. channel 2):

- Press **0**, followed by **2**.

To select a 2-digit channel (e.g. channel 12):

- Press **1**, followed by **2**.

Using Flashback (↶) on the remote control unit

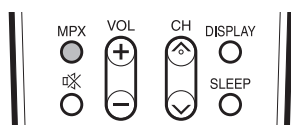


Press ↶ to switch the currently tuned channel to the previously tuned channel.

Press ↶ again to switch back to the currently tuned channel.

Press ↶ to toggle between the currently selected input source and the previously selected one.

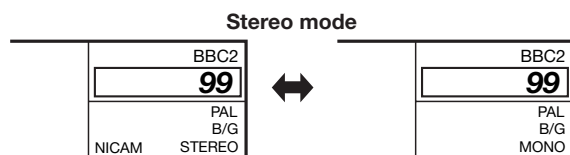
Using MPX on the remote control unit



In the NICAM TV broadcasts

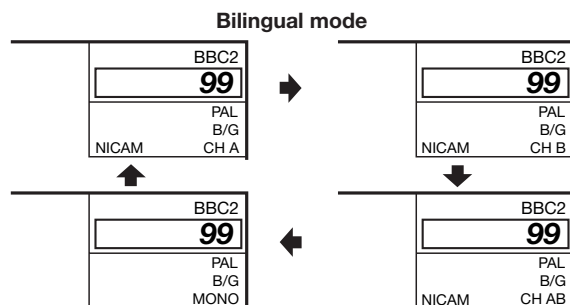
When receiving a stereo signal

Each time you press **MPX**, the mode switches between NICAM STEREO and MONO.



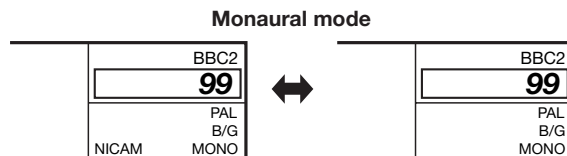
When receiving a bilingual signal

Each time you press **MPX**, the mode switches among NICAM CH A, NICAM CH B, NICAM CH AB and MONO.



When receiving a monaural signal

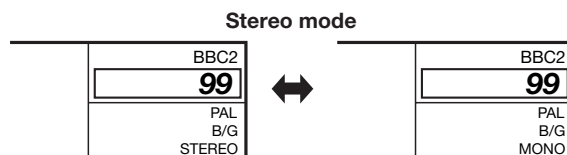
Each time you press **MPX**, the mode switches between NICAM MONO and MONO.



In the TV mode of A2 TV broadcasts

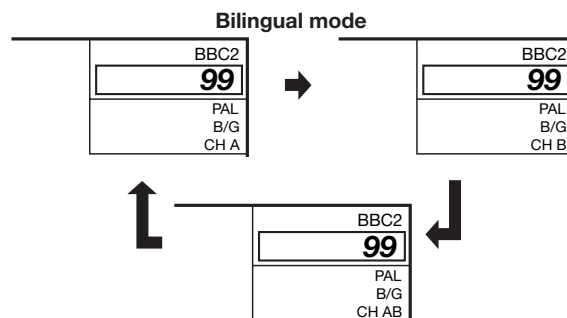
When receiving a stereo signal

Each time you press **MPX**, the mode switches between STEREO and MONO.



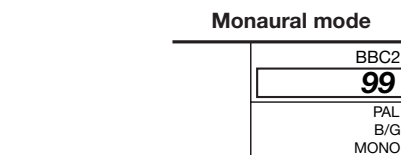
When receiving a bilingual signal

Each time you press **MPX**, the mode switches among CH A, CH B and CH AB.



When receiving a monaural signal

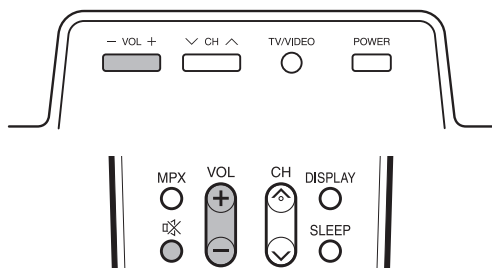
When you press **MPX**, "MONO" displays.



NOTE

- "BBC2", "99" and "PAL" are tentative network name, channel and colour system.

Simple button operation for changing volume/sound



Changing the volume

You can change the volume on the TV or on the remote control unit.

- To increase the volume, press **VOL +**.
- To decrease the volume, press **VOL -**.



NOTE

- "TV", "INPUT1", "INPUT2", "INPUT3", "INPUT4" and "INPUT5" modes can store volume adjustment values separately.

Using Mute (Mute icon) on the remote control unit

Mute mutes the current sound output.

1

Press Mute icon.

- The sound is silenced.
- "Mute" is displayed while the mute function is on.

Mute



NOTE

- Within 30 minutes after pressing Mute icon, press one of the buttons below to cancel the mute.
 - **VOL - /VOL +**
 - Mute icon
- **Mute will be cancelled after 30 minutes. However, the TV will not suddenly output loud sound as the volume level will be set to 0 automatically. Increase the volume level by pressing VOL +.**

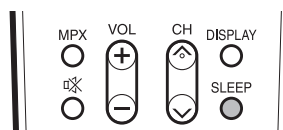
2

Press Mute icon again within 30 minutes to cancel the mute.

- Before 30 minutes, the volume level returns to the previous setting.

Sleep timer

Allows you to set a time when the TV automatically switches to standby.



1

Press **SLEEP**.

- Remaining time displays when sleep timer has been set.

Sleep Timer: Remain 2 hr. 00 min.

2

Each time you press **SLEEP**, the remaining time switches as shown below.

0 hr. 30 min. → 1 hr. 00 min. → 1 hr. 30 min.
 ↑ ↓
 Off ← 2 hr. 30 min. ← 2 hr. 00 min.

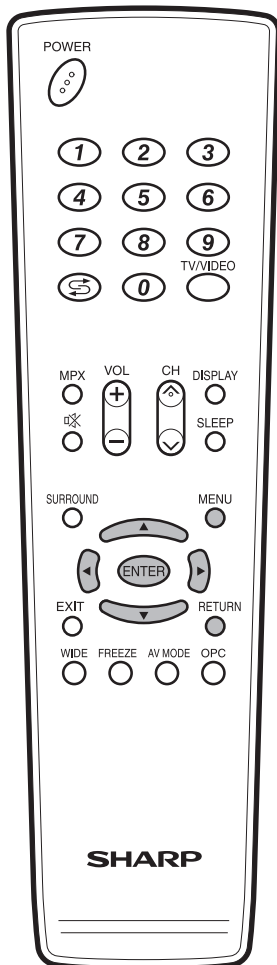
NOTE

- The sleep timer indicator on the TV lights up when the time has been set.
- When the time has been set, countdown automatically starts.
- Five minutes before the preset of time expires, the remaining time displays each minute.
- Select "Off" by pressing **SLEEP** to cancel the sleep timer.

Basic adjustment settings

Menu operation buttons

Use the following buttons on the remote control to operate the menu.



MENU: Press to open or close the menu screen.

▲/▼/◀/▶: Press to select a desired item on the screen or adjust a selected item.

ENTER: Press to go to the next step or complete the setting.

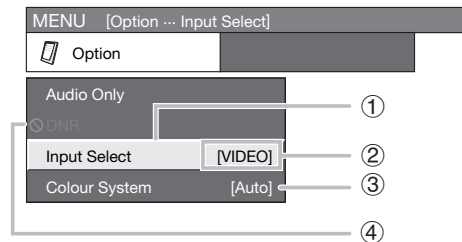
RETURN: Press to return to the previous step.

◀▶: Select ENTER: Enter RETURN: Back MENU: End

The bar above is an operational guide for the remote control. The bar will change in accordance with each menu setting screen.

On-Screen Display

(Example)



- ① Item displayed in yellow
 - This indicates the item currently selected.
 - Press **ENTER** to go to the adjustment screen for this item.
- ② Item in brackets
 - This indicates the current setting for the item.
- ③ Item displayed in white
 - This indicates an item can be selected.
- ④ Item displayed in grey
 - This indicates that the item cannot be selected.
 - * There are various reasons why items cannot be selected, but the main reasons are as follows:
 1. Nothing is connected to the selected input terminal.
 2. The function is not compatible with the current input signal.

NOTE

- Menu options differ in the selected input modes, but the operating procedures are the same.
- The screens in the operation manual are for explanation purposes (some are enlarged, others cropped) and may vary slightly from the actual screens.

Basic adjustment settings

Menu items (TV/INPUT1-2)

List of menu items to help you with operations

Picture

OPC.....	Page 25
Backlight	Page 26
Contrast.....	Page 26
Brightness	Page 26
Colour	Page 26
Tint.....	Page 26
Sharpness	Page 26
Advanced	
Colour Temp.....	Page 27
Black	Page 27
3D-Y/C	Page 27
Monochrome	Page 28
Film Mode.....	Page 28
Range of OPC.....	Page 28
Reset.....	Page 26

Audio

Treble.....	Page 29
Bass	Page 29
Balance.....	Page 29
Surround.....	Page 29
Reset.....	Page 29

Power Control

No Signal Off.....	Page 30
No Operation Off	Page 30

Setup

Auto Installation.....	Page 20
Programme Setup	Pages 20-24
Child Lock	Page 31
Input Skip	Page 32
Input Label	Page 34
Position.....	Page 34
WSS	Page 35
4:3 Mode.....	Page 35
Standby Mode.....	Page 36
Language.....	Page 40
Identification	Page 40
Reset.....	Page 36

Option

Audio Only	Page 39
DNR.....	Page 39
Input Select	Page 41
Colour System	Page 40

Menu items (HDMI/DVI)

List of menu items to help you with operations

Picture

OPC.....	Page 25
Backlight	Page 26
Contrast.....	Page 26
Brightness	Page 26
Colour	Page 26
Tint.....	Page 26
Sharpness	Page 26
Advanced	
Colour Temp.....	Page 27
Black	Page 27
Monochrome	Page 28
Film Mode.....	Page 28
Range of OPC.....	Page 28
Reset.....	Page 26

Audio

Treble.....	Page 29
Bass	Page 29
Balance.....	Page 29
Surround.....	Page 29
Reset.....	Page 29

Power Control

No Signal Off.....	Page 30
No Operation Off	Page 30

Setup

Input Skip	Page 32
Input Signal	Page 32
Auto Sync	Page 33
Input Label	Page 34
Fine Sync.....	Page 33
Position.....	Page 34
Standby Mode.....	Page 36
Language.....	Page 40
Reset.....	Page 36

Option

Audio Only	Page 39
DNR.....	Page 39
Input Select	Page 41
HDMI Setup.....	Page 39

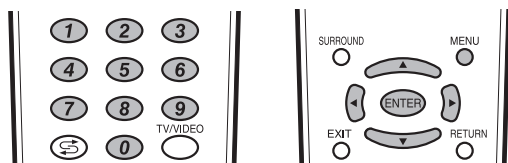
NOTE

- Some menu items may not be displayed depending on the selected input source.

Basic adjustment settings

Auto installation

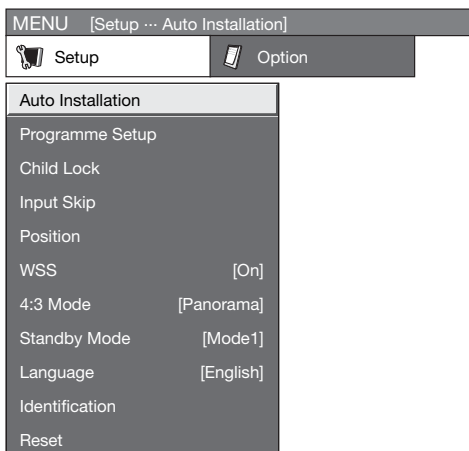
You can run auto installation again, even after setting up the preset channels.



1 Press **MENU** and the MENU screen displays.

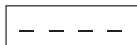
2 Press **◀/▶** to select “Setup”.

3 Press **▲/▼** to select “Auto Installation”, and then press **ENTER**.



4 If you have already set the password, enter it here.

- See page 31 for setting a password.



5 Press **◀/▶** to select “Yes”, and then press **ENTER**.

6 Press **▲/▼** to select the desired language listed on the screen, and then press **ENTER**.

- After this setting, the programme auto search begins.

NOTE

- After performing step 6, the menu screen shown in step 3 will reappear. Do not turn off the TV before then, because the TV is saving the data found.

Programme setup

You can run the auto search procedure again at any time by accessing the Setup menu and Programme Setup.

Auto search

You can also automatically search by performing the procedure below. This is the same function as programme auto search in auto installation.

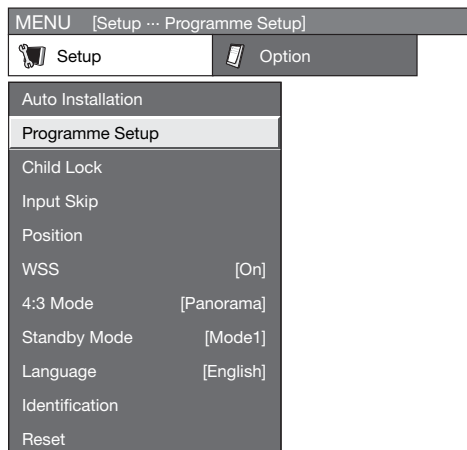
1 Press **MENU** and the MENU screen displays.

2 Press **◀/▶** to select “Setup”.

3 Press **▲/▼** to select “Programme Setup”, and then press **ENTER**.

If you have already set the password, enter it here.

- See page 31 for setting a password.



4 Press **▲/▼** to select “Auto Search”, and then press **ENTER**.

5 Press **◀/▶** to select “Yes”, and then press **ENTER**.

- After this setting, the programme auto search begins.

NOTE

- After performing step 5, the menu screen shown in step 3 will reappear. Do not turn off the TV before then, because the TV is saving the data found.

Basic adjustment settings

Manual setting for each channel

You can set some channel items manually. They are Search, Fine (TV frequency), Colour sys., Sound sys., Label (Network name), Skip and Lock (Child Lock).

1 Press **MENU** and the MENU screen displays.

2 Press **◀/▶** to select "Setup".

3 Press **▲/▼** to select "Programme Setup", and then press **ENTER**.

If you have already set the password, enter it here.

- See page 31 for setting a password.

4 Press **▲/▼** to select "Manual Adjust", and then press **ENTER**.

5 Press **◀/▶** to select "Yes", and then press **ENTER**.

Programme Setup "Manual Adjust" menu

01 SAT.1	02 PR07	03 KABEL		

Next

You can select one of the following settings.

- ① **Search** (See page 21.)
- ② **Fine** (See page 21.)
- ③ **Colour system** (See page 22.)
- ④ **Sound system** (See page 22.)
- ⑤ **Label** (See page 22.)
- ⑥ **Skip** (See page 23.)
- ⑦ **Lock** (See page 23.)

Search tuning

1 Press **▲/▼/◀/▶** to select the channel you want to edit, and then press **ENTER**.

- The selected channel information displays.

2 Press **▲/▼** to select "Search", and then press **ENTER**.

MENU [Setup --- Programme Setup]	
Search	
Fine	[179.25] 179.25 MHz
Colour sys.	[Auto]
Sound sys.	[B/G]
Label	[SAT.1]
Skip	[Off]
Lock	[Off]
<div>Next</div> <div>Store</div> <div>Cancel</div>	

3 Press **▲/▼** to select item and press **ENTER**.

- **Next**: Search the next channel.
- **Store**: Memorise the current display channel.
- **Cancel**: Return to the previous screen. (The search result will not be stored.)

Fine tuning

1 Press **▲/▼/◀/▶** to select the channel you want to edit, and then press **ENTER**.

- The selected channel information displays.

2 Press **▲/▼** to select "Fine", and then press **ENTER**.

3 Press **◀/▶** to adjust the frequency, and then press **ENTER**.

- Adjust while checking the background picture as a reference.

Search	
Fine	[179.25]
Colour sys.	[Auto]
Sound sys.	[B/G]
Label	[SAT.1]
Skip	[Off]
Lock	[Off]
<div>179.25 MHz</div> <div style="width: 100px; height: 10px; background: linear-gradient(to right, black 40%, white 40%, white 60%, black 60%);"></div>	

- Instead of the method above, you can also set by directly entering the frequency number of the channel with **0 – 9**.
- When setting a frequency on the "Fine" screen, the last figure of the frequency needs to be "0" or "5".

EXAMPLE

- 179.25 MHz: Press **1 → 7 → 9 → 2 → 5**.
- 49.25 MHz: Press **4 → 9 → 2 → 5 → ENTER**.

Basic adjustment settings

Manual setting for each channel (continued)

Colour system

- 1 Press ▲/▼/◀/▶ to select the channel you want to edit, and then press **ENTER**.
 - The selected channel information displays.
- 2 Press ▲/▼ to select “Colour sys.”, and then press **ENTER**.
 - Receivable colour systems are listed.

Colour system menu

MENU [Setup ... Programme Setup]	
Search	
Fine [179.25]	
Colour sys. [Auto]	Auto
Sound sys. [B/G]	PAL
Label [SAT.1]	SECAM
Skip [Off]	NTSC 3.58
Lock [Off]	NTSC 4.43
	PAL-60

- 3 Press ▲/▼ to select the optimum colour system, and then press **ENTER**.

Sound system (Broadcasting system)

- 1 Press ▲/▼/◀/▶ to select the channel you want to edit, and then press **ENTER**.
 - The selected channel information displays.
- 2 Press ▲/▼ to select “Sound sys.”, and then press **ENTER**.
 - Receivable sound systems (Broadcasting systems) are listed.

Sound system menu

Search	
Fine [179.25]	
Colour sys. [Auto]	
Sound sys. [B/G]	B/G
Label [SAT.1]	D/K
Skip [Off]	I
Lock [Off]	M

- 3 Press ▲/▼ to select the optimum sound system, and then press **ENTER**.

Labelling channels

You can assign a label to each channel.

- 1 Press ▲/▼/◀/▶ to select the channel you want to edit, and then press **ENTER**.
 - The selected channel information displays.
- 2 Press ▲/▼ to select “Label”, and then press **ENTER**.
 - The alphabet and numbers are listed.

Labelling menu

Search	
Fine [179.25]	
Colour sys. [Auto]	A B C D E F G H I J CLEAR
Sound sys. [B/G]	K L M N O P Q R S T BACK
Label [SAT.1]	U V W X Y Z + - . _
Skip [Off]	0 1 2 3 4 5 6 7 8 9 END
Lock [Off]	

- 3 Press ▲/▼/◀/▶ to select each character of the new name for the channel, and then press **ENTER**.
- 4 Repeat until the name is fully spelt out.
 - The name can be 5 characters or less.
 - When you want to set a channel name of less than 5 characters, select “END”, then press **ENTER** to exit from the labelling menu.

Basic adjustment settings

Manual setting for each channel (continued)

Skipping channels

Channels with “Skip” set to “On” are passed over when using **CH** even if selected while watching the image from the TV.

- 1 Press to select the channel you want to edit, and then press **ENTER**.
 - The selected channel information will be displayed.

- 2 Press to select “Skip”, and then press **ENTER**.
 - Skip menu displays.

Skip menu

MENU [Setup ... Programme Setup]	
Search	
Fine	[179.25]
Colour sys.	[Auto]
Sound sys.	[B/G]
Label	[SAT.1]
Skip	[Off]
Lock	[Off]

- 3 Press to set “Skip” to “On”, and then press **ENTER**.

Setting the child lock

You can block the viewing of any channel.

- 1 Press to select the channel you want to edit, and then press **ENTER**.
 - The selected channel information will be displayed.

- 2 Press to select “Lock”, and then press **ENTER**.
 - Child lock menu will be displayed

Lock menu

Search	
Fine	[179.25]
Colour sys.	[Auto]
Sound sys.	[B/G]
Label	[SAT.1]
Skip	[Off]
Lock	[Off]

- 3 Press to set “Lock” to “On”, and then press **ENTER**.

NOTE

- See page 31 for setting a password.
- If “Lock” is set to “On” for a channel, “Child lock has been activated” is displayed when you select the channel, and the image and sound of the channel is blocked.
- When pressing **ENTER** while “Child lock has been activated” is displayed, password input menu will be displayed. Inputting the correct password lifts the child lock temporarily until the power is turned off.

Sort

Channel positions can be sorted freely.

- 1 Press **MENU** and the MENU screen displays.
- 2 Press to select “Setup”.
- 3 Press to select “Programme Setup”, and then press **ENTER**.
If you already set the password, enter it here.
 - See page 31 for setting a password.
- 4 Press to select “Sort”, and then press **ENTER**.
- 5 Press to select “Yes”, and then press **ENTER**.
- 6 Press to select the channel you want to move, and then press **ENTER**.
- 7 Move it to the desired position by pressing , and then press **ENTER**.
- 8 Repeat the steps 6 and 7 until all desired channels are sorted.

Sort menus

01 SAT.1

01 SAT.1	02 KABEL	03	04	05
06				

Next

↓

01 SAT.1 02 KABEL

01 SAT.1	02 KABEL			

Next

↓

01 KABEL

01 KABEL	02 SAT.1			

Next

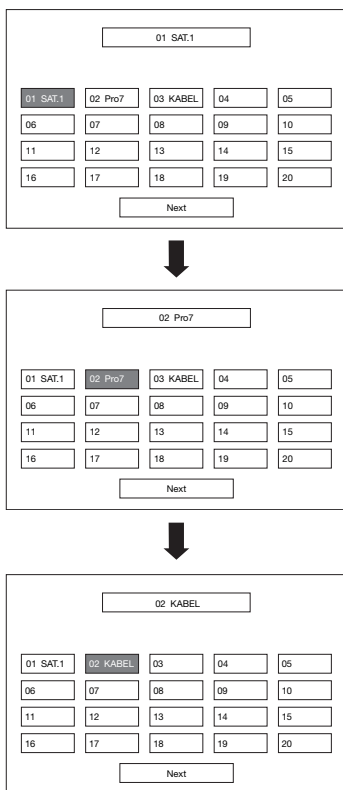
Basic adjustment settings

Erase Programme

The individual programme can be erased.

- 1 Press **MENU** and the MENU screen displays.
- 2 Press **◀/▶** to select "Setup".
- 3 Press **▲/▼** to select "Programme Setup", and then press **ENTER**.
If you already set the password, enter it here.
 - See page 31 for setting a password.
- 4 Press **▲/▼** to select "Erase Programme", and then press **ENTER**.
- 5 Press **◀/▶** to select "Yes", and then press **ENTER**.
- 6 Press **▲/▼/◀/▶** to select the channel you want to erase, and then press **ENTER**.
 - A message screen pops up.
- 7 Press **◀/▶** to select "Yes", and then press **ENTER** to erase the selected programme. All the subsequent programmes move up.
- 8 Repeat the steps 6 and 7 until all desired channels are erased.

Erase programme menus



Basic adjustment settings

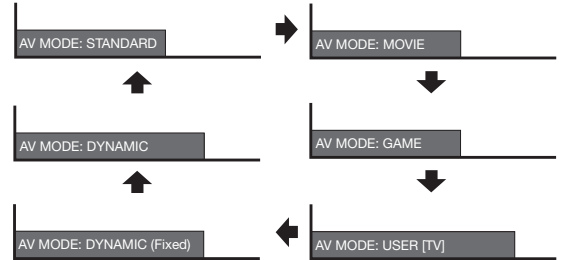
AV MODE selection

The AV MODE function enables you to select appropriate settings for audio and video to account for the system environment which can vary due to factors like room brightness, type of programme watched or the type of image input from external equipment.

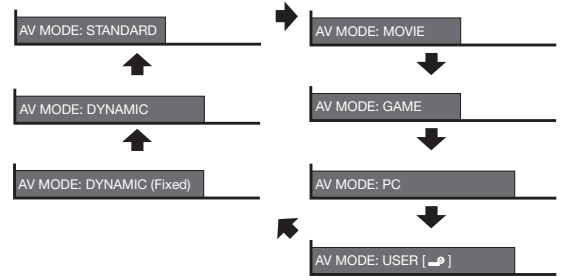
Using AV MODE on the remote control unit

- 1 Press **AV MODE**.
- Present AV MODE displays.
- 2 Press **AV MODE** again before the mode displayed on the screen disappears.
- The mode changes as shown below.

When the input source is TV, INPUT1 or 2 terminals (Example)



When the input source is INPUT3, 4 or 5 terminals (Example)



Selected item	Description
STANDARD	For a highly defined image in a normally bright room
MOVIE	For a movie
GAME	Lowers image brightness for easier viewing.
PC	For PC. (Available only when inputting an HDMI or DVI signal.)
USER	Allows the user to customise settings as desired. You can set the mode for each input source.
DYNAMIC (Fixed)	Changes the image and sound settings to the factory preset values. No adjustments are allowed.
DYNAMIC	For a clear-cut image emphasising high contrast for sports viewing

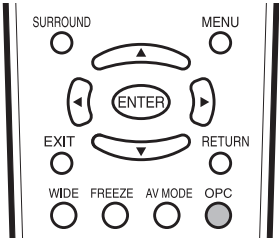
NOTE

- You can select a different AV MODE item for each input mode. (For example, select STANDARD for TV input and DYNAMIC for VIDEO input.)

OPC (Optical Picture Control) setting

You can set the TV to automatically adjust the screen to suitable backlight brightness according to the lighting conditions.

Using OPC on the remote control unit



Press **OPC** to switch the OPC function on and off.

Using OPC on the menu screen

- 1 Press **MENU** and the MENU screen displays.
- 2 Press **◀▶** to select “Picture”.
- 3 Press **▲▼** to select “OPC”.
- 4 Press **◀▶** to select the desired item, and then press **ENTER**.

Selected item	Description
Off	The brightness is fixed at the value set in “Backlight” (See page 26).
On	Automatically adjusts
On: Display	Displays the OPC effect on the screen while adjusting the brightness of the screen.

NOTE

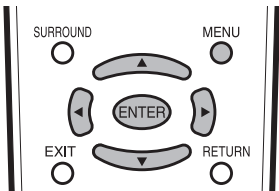
- Make sure no object obstructs the OPC sensor, which could affect its ability to sense surrounding light.

Basic adjustment settings

Picture adjustments

You can adjust the picture to your preference.

Follow the steps to adjust the picture.

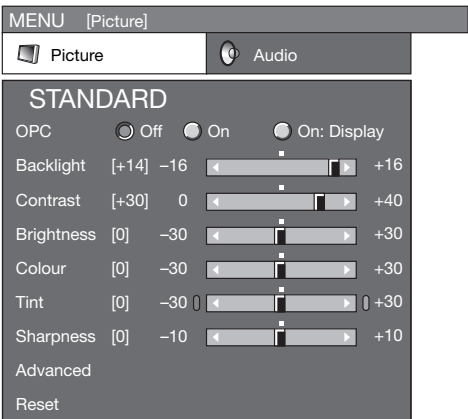


- 1 Press **MENU** and the MENU screen displays.
- 2 Press **◀/▶** to select “Picture”.
- 3 Press **▲/▼** to select a specific adjustment item.
- 4 Press **◀/▶** to adjust the item to your desired position.

NOTE

- For resetting all adjustment items to factory preset values, press **▲/▼** to select “Reset”, press **ENTER**, press **◀/▶** to select “Yes”, and then press **ENTER**.

Adjustment items



Selected item	◀button	▶button
Backlight	The screen dims	The screen brightens
Contrast	For less contrast	For more contrast
Brightness	For less brightness	For more brightness
Colour	For less colour intensity	For more colour intensity
Tint	Skin tones become purplish	Skin tones become greenish
Sharpness	For less sharpness	For more sharpness

NOTE

- Select “Advanced” and then press **ENTER** to set “Colour Temp.”, “Black”, “3D-Y/C”, “Monochrome”, “Film Mode” or “Range of OPC”. See pages 27 and 28.

Basic adjustment settings

Advanced

Advanced setting enables you to set the picture adjustment in more detail. There are six options you can choose from.

Colour temperature

Adjusts the colour temperature to give the best white image.

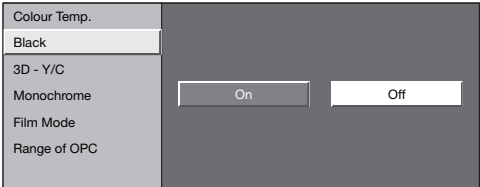
- 1
- Press **MENU** and the MENU screen displays.
- 2
- Press **◀/▶** to select "Picture".
- 3
- Press **▲/▼** to select "Advanced", and then press **ENTER**.
- 4
- Press **▲/▼** to select "Colour Temp.", and then press **ENTER**.
- 5
- Press **▲/▼** to select the desired level, and then press **ENTER**.

Selected item	Description
High	White with bluish tone ↑↓ White with reddish tone
Mid-High	
Middle	
Mid-Low	
Low	

Black

For easier viewing, change the viewing depth by selecting a level for automatically adjusting the dark portion of an image.

- 1
- Repeat steps 1 to 3 in **Colour temperature**.
- 2
- Press **▲/▼** to select "Black", and then press **ENTER**.
- 3
- Press **◀/▶** to select "On", and then press **ENTER**.



Selected item	Description
On	For high detail in black portions
Off	No adjustment

3D-Y/C

Provides high quality images with minimal dot crawl and cross colour noise.

- 1
- Repeat steps 1 to 3 in **Colour temperature**.
- 2
- Press **▲/▼** to select "3D-Y/C", and then press **ENTER**.



- 3
- Press **▲/▼** to select the desired level, and then press **ENTER**.

Selected item	Description
Standard	Normal adjustment
Fast	For movie image
Slow	For still image

- NOTE
- 3D-Y/C is not selectable depending on the input signal type.
 - 3D-Y/C may not operate depending on the input signal type or noisy input signal.

Basic adjustment settings

Monochrome

For viewing images in monochrome.

- 1 Press **MENU** and the MENU screen displays.
- 2 Press ◀/▶ to select “Picture”.
- 3 Press ▲/▼ to select “Advanced”, and then press **ENTER**.
- 4 Press ▲/▼ to select “Monochrome”, and then press **ENTER**.
- 5 Press ◀/▶ to select “On”, and then press **ENTER**.

Film mode

Automatically detects a film-based source (originally encoded at 24/25 frames/second, depending on the vertical frequency), analyses it then recreates each still film frame for high-definition picture quality.

- 1 Repeat steps 1 to 3 in **Monochrome**.
- 2 Press ▲/▼ to select “Film Mode”, and then press **ENTER**.
- 3 Press ◀/▶ to select “On”, and then press **ENTER**.

NOTE

- Film Mode is not selectable depending on the input signal type.

Range of OPC

The brightness level range of the OPC sensor’s automatic adjustments can be set according to your preferences. The adjustment range of the OPC sensor can be set to a maximum of +16 and a minimum of -16.

- 1 Repeat steps 1 to 3 in **Monochrome**.
- 2 Press ▲/▼ to select “Range of OPC”, and then press **ENTER**.
- 3 Press ▲/▼ to select “Max.” or “Min.”, and then adjust the item to the desired position.

Selected item	Description
Max.	-15 through +16
Min.	-16 through +15

NOTE

- This function is available only when the OPC setting is set to On.
- The maximum setting cannot be set to a smaller number than the minimum setting.
- The minimum setting cannot be set to a bigger number than the maximum setting.
- The maximum and minimum settings cannot be set to the same number.
- Depending on the brightness of the surrounding light, the OPC sensor might not operate if the adjustment range is small.


Basic adjustment settings

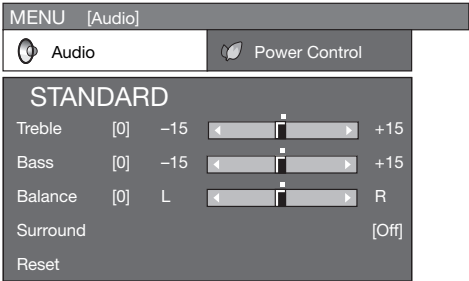
Audio adjustment

You can adjust the sound quality to your preference with the following settings.

- 1 Press **MENU** and the MENU screen displays.
- 2 Press **◀/▶** to select “Audio”.
- 3 Press **▲/▼** to select a specific adjustment item.
- 4 Press **◀/▶** to adjust the item to your desired position.

Selected item	◀button	▶button
Treble	For weaker treble	For stronger treble
Bass	For weaker bass	For stronger bass
Balance	Decrease audio from the right speaker	Decrease audio from the left speaker

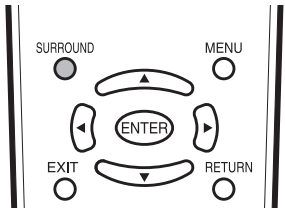
-  **NOTE**
- For resetting all adjustment items to factory preset values, press **▲/▼** to select “Reset”, press **ENTER**, press **◀/▶** to select “Yes”, and then press **ENTER**.



Surround

When you set to “On”, you can enjoy surround sound, the same as if you were in a movie theatre.

Using SURROUND on the remote control unit



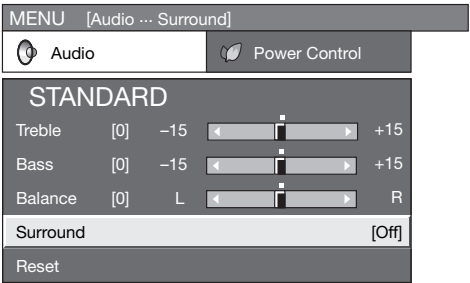
Press **SURROUND** to switch the Surround function on and off.

Selected item	Description
On	Makes it possible to enjoy natural, realistic surround sound.
Off	Outputs the normal sound.

Using Surround on the menu screen

You can produce Surround effects from the “Audio” setting.

- 1 Press **MENU** and the MENU screen displays.
- 2 Press **◀/▶** to select “Audio”.
- 3 Press **▲/▼** to select “Surround”, and then press **ENTER**.
- 4 Press **◀/▶** to select “On”, and then press **ENTER**.



Basic adjustment settings

Power Control

Power Control setting allows you to save energy.

No Signal Off

When set to “Enable”, the power will automatically shut down if no signal inputs for 15 minutes.

- 1** Press **MENU** and the MENU screen displays.
- 2** Press ◀/▶ to select “Power Control”.
 - Power control menu displays.
- 3** Press ▲/▼ to select “No Signal Off”, and then press **ENTER**.
- 4** Press ◀/▶ to select “Enable”, and then press **ENTER**.
 - Five minutes before the power shuts down, remaining time displays every minute.

NOTE

- “Disable” is factory preset value.
- When a TV programme finishes, this function may not operate.

No Operation Off

When set to “Enable”, the power will automatically shut down if there is no operation for 3 hours.

- 1** Press **MENU** and the MENU screen displays.
- 2** Press ◀/▶ to select “Power Control”.
 - Power control menu displays.
- 3** Press ▲/▼ to select “No Operation Off”, and then press **ENTER**.
- 4** Press ◀/▶ to select “Enable”, and then press **ENTER**.
 - Five minutes before the power shuts down, remaining time displays every minute.

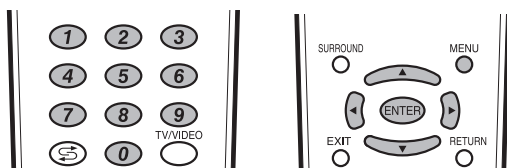
NOTE

- “Disable” is factory preset value.

Useful adjustment settings

Password setting for child lock (for TV input mode)

Allows you to use a password to protect certain settings from being accidentally changed.



Setting a password

Register a 4-digit password number to use the Child Lock function.

1 Press **MENU** and the MENU screen displays.

2 Press **◀/▶** to select “Setup”.

3 Press **▲/▼** to select “Child Lock”, and then press **ENTER**.

4 If you already set the password, enter it here.

5 Press **▲/▼** to select “Change password”, and then press **ENTER**.

6 Enter the 4-digit number as a password using **0 — 9**.

7 Enter the same 4-digit number as in step 6 to confirm.

- “The new password was registered” displays.

NOTE

- To view a locked channel (Lock setting in Programme Setup “Manual Adjust” is set to “On”), you must enter a password. (See page 23.) When you select a locked channel, a password prompt message pops up. Press **ENTER** to display the password input window.

Resetting the password

Allows you to reset your password.

1 Press **MENU** and the MENU screen displays.

2 Press **◀/▶** to select “Setup”.

3 Press **▲/▼** to select “Child Lock”, and then press **ENTER**.

4 Enter the password.

5 Press **▲/▼** to select “Reset”, and then press **ENTER**.

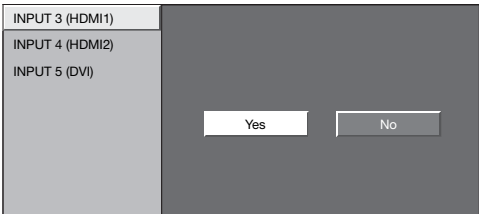
6 Press **◀/▶** to select “Yes”, and then press **ENTER**.

NOTE

- As a precautionary measure, make a note of your password and keep it in a familiar place. If you lose or forget your password, initialise the TV to return all settings except for the TV channel settings to factory preset values. (See page 48.)
- This function is only available for TV input mode.
- To relock a channel which has been temporarily unlocked by inputting the correct password, turn power off and then on again.

Input Skip

This setting allows you to skip the HDMI or DVI input on the “Input Select” menu.

- 1 Press **MENU** and the MENU screen displays.
- 2 Press ◀▶ to select “Setup”.
- 3 Press ▲▼ to select “Input Skip”, and then press **ENTER**.
- 4 Press ▲▼ to select the Input (INPUT3, INPUT4 or INPUT5) you wish to skip, and then press **ENTER**.

- 5 Press ◀▶ to select “Yes”, and then press **ENTER**.
- 6 Press **MENU** to exit.

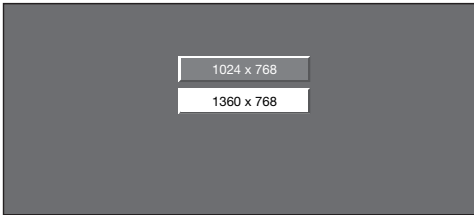
Input Signal (PC input mode only)

- Some input signals may have to be registered manually to display properly.
- The pairs of input signals (resolutions) in the list below are not distinguishable when received. In such case, you have to set the correct signal manually. After setting once, it will display when the same signal (resolution) is input again.

1024 x 768	1360 x 768
------------	------------

NOTE

- You can only select the “Input Signal” on the Setup menu when receiving one of the 2 input signals listed above.

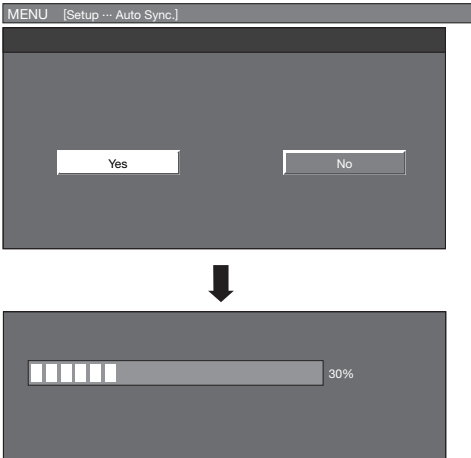
- 1 Press **MENU** and the MENU screen displays.
- 2 Press ◀▶ to select “Setup”.
- 3 Press ▲▼ to select “Input Signal” and then press **ENTER**.
- 4 Press ▲▼ to select the desired input signal on the display.


(Example)

Useful adjustment settings

Auto Sync. adjustment (PC input mode only)

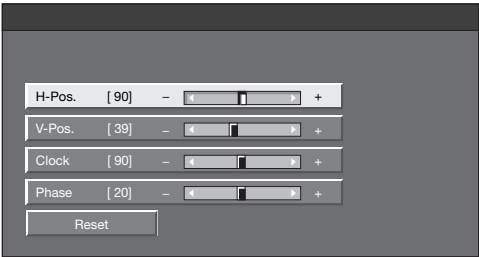
For automatically adjusting the PC image.

- 1 Press **MENU** and the MENU screen displays.
- 2 Press **◀/▶** to select “Setup”.
- 3 Press **▲/▼** to select “Auto Sync.”, and then press **ENTER**.
- 4 Press **◀/▶** to select “Yes”, and then press **ENTER**.
 - Auto Sync. starts and “Adjusting the image” displays.

5 Press **MENU** to exit.
- NOTE
- When Auto Sync. is successful, “Auto Sync completed successfully” displays. If not, Auto Sync. failed.
 - Auto Sync. may fail even if “Auto Sync completed successfully” displays.
 - Auto Sync. may fail if the computer image has low resolution, has unclear (black) edges, or is moved while executing Auto Sync.
 - Be sure to connect the PC to the TV and switch it on before starting Auto Sync.
 - Auto Sync. can be executed only when inputting analogue signals.
- Fine Sync. adjustment (PC input mode only)
- Ordinarily you can easily adjust the picture as necessary to change image position using Auto Sync. In some cases, however, manual adjustment is needed to optimise the image.
- 1 Press **MENU** and the MENU screen displays.

2 Press **◀/▶** to select “Setup”.

3 Press **▲/▼** to select “Fine Sync.”, and then press **ENTER**.

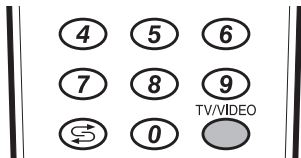
4 Press **▲/▼** to select the specific adjustment item.
- | Selected item | Description |
|---------------|---|
| H-Pos. | Centres the image by moving it to the left or right. |
| V-Pos. | Centres the image by moving it up or down. |
| Clock | Adjusts when the image flickers with vertical stripes. |
| Phase | Adjusts when characters have low contrast or when the image flickers. |
- 5 Press **◀/▶** to adjust the item to your desired position.

6 Press **MENU** to exit.
- NOTE
- For resetting all adjustment items to the factory preset values, press **▲/▼** to select “Reset”, and then press **ENTER**.
 - “Clock” and “Phase” in the “Fine Sync.” menu can be adjusted only when inputting analogue signals.
- EN - 33

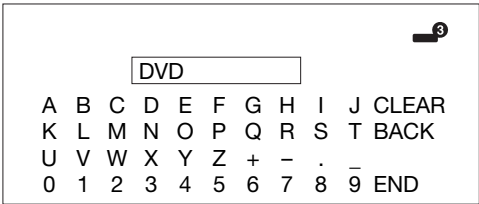
Useful adjustment settings

Input Label

You can assign each input source a label you like.

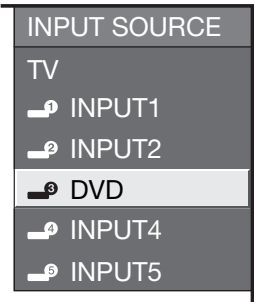


- 1 Press **TV/VIDEO** to select the desired input source.
- 2 Press **MENU** and the MENU screen displays.
- 3 Press **◀▶** to select “Setup”.
- 4 Press **▲▼** to select “Input Label”, and then press **ENTER**.
- 5 Press **▲▼/◀▶** to select each character of the new name for the input source, and then press **ENTER**.



(Example)

- 6 Repeat until the name is fully spelt out.
- The name can be 6 characters or less.
- When you want to set an input source name of less than 6 characters, select “END”, then press **ENTER** to exit from the labelling menu.



(Example)

NOTE

- You cannot change labels if the input source is TV.

Image position

For adjusting a picture's horizontal and vertical position.

- 1 Press **MENU** and the MENU screen displays.
- 2 Press **◀▶** to select “Setup”.
- 3 Press **▲▼** to select “Position”, and then press **ENTER**.
- 4 Press **▲▼** to select “H-Pos.” or “V-Pos.”.



Selected item	Description
H-Pos.	Centres the image by moving it to the left or right.
V-Pos.	Centres the image by moving it up or down.

- 5 Press **◀▶** to adjust the item to your desired position.

NOTE

- For resetting all adjustment items to the factory preset values, press **▲▼** to select “Reset”, and then press **ENTER**.
- **Adjustments are stored separately according to input source.**

Useful adjustment settings

Wide Screen Signalling (WSS)

WSS allows a television to switch automatically among the different screen formats.

- 1 Press **MENU** and the MENU screen displays.
- 2 Press ◀▶ to select “Setup”.
- 3 Press ▲▼ to select “WSS”, and then press **ENTER**.
- 4 Press ◀▶ to select “On” or “Off”, and then press **ENTER**.

NOTE

- Try to set WIDE mode if an image does not switch to the correct screen format. When the broadcast signal contains no WSS information, the function will not work even if enabled.

Picture aspect ratio

The WSS signal has 4:3 auto-switching that allows you to select between Panorama and Normal.

- 1 Press **MENU** and the MENU screen displays.
- 2 Press ◀▶ to select “Setup”.
- 3 Press ▲▼ to select “4:3 Mode”, and then press **ENTER**.
- 4 Press ◀▶ to select “Panorama” or “Normal”, and then press **ENTER**.

WSS signal 4:3 screen

4:3 mode “Panorama”



4:3 mode “Normal”



Selected item	Description
Panorama	Wide image without side bars
Normal	Normal range keeping 4:3 or 16:9 aspect ratio

Standby Mode

Standby Mode may be set to either start the TV quickly from standby or conserve energy while on standby.

- 1 Press **MENU** and the MENU screen displays.
- 2 Press **◀/▶** to select "Setup".
- 3 Press **▲/▼** to select "Standby Mode", and then press **ENTER**.
- 4 Press **▲/▼** to select "Mode1" or "Mode2", and then press **ENTER**.

Selected item	Description
Mode1	Starting the TV is quick from standby.
Mode2	Power consumption is small during standby.

- 5 Press **MENU** to exit.

Reset

If complex adjustments are made and the settings cannot be restored to normal, you can reset the settings to the factory preset values.

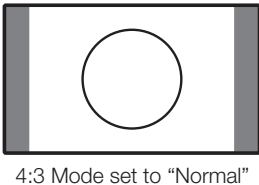
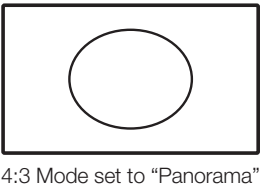
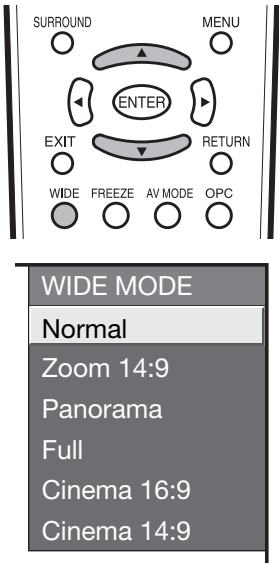
- 1 Press **MENU** and the MENU screen displays.
- 2 Press **◀/▶** to select "Setup".
- 3 Press **▲/▼** to select "Reset", and then press **ENTER**.
 - "Return to factory pre-settings" displays on the screen.
- 4 Press **◀/▶** to select "Yes", and then press **ENTER**.
 - "Now, TV will restart automatically. OK?" displays on the screen.
- 5 Press **◀/▶** to select "Yes", and then press **ENTER**.
 - "Now initialising..." displays on the screen and blinks.
 - After the reset has completed, the power shuts off and then comes back on. The screen will have returned to its original settings.



NOTE

- The AV MODE will be set to "DYNAMIC".
- The Programme Setup settings will not be changed.
- The Language settings will not be changed.

WIDE mode (for TV/AV input mode)



Manual Selection

- 1 Press **WIDE**.
 - The WIDE MODE menu displays.
 - The menu lists the wide mode options selectable for the type of video signal currently received.
- 2 Press **WIDE** or **▲/▼** while the WIDE MODE menu displays on the screen.
 - As you toggle down the options, each mode is immediately reflected on the TV.

Auto Selection

If you set “WSS” and “4:3 Mode” in the Setup menu on page 35, the optimum WIDE mode is automatically chosen for every broadcast containing the WSS information.

“WSS” menu

To enable Auto Selection, set “WSS” in the Setup menu to “On”. (See page 35.)

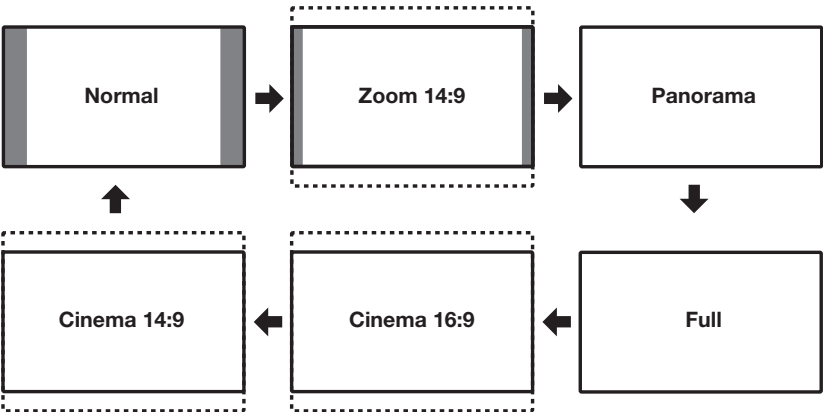
“4:3 Mode” menu

To set the type of the wide screen, select “Panorama” or “Normal” in the 4:3 Mode menu. (See page 35.)

NOTE

- If the broadcast signal contains no WSS information, Auto Selection will not function even when the WSS option is enabled.

Selected item	Description
Normal	For 4:3 “standard” pictures. A side bar appears on each side.
Zoom 14:9	For 14:9 letterbox pictures. A thin side bar appears on each side, and you may also see bars on the top and bottom with some programmes.
Panorama	In this mode the picture is progressively stretched toward each side of the screen.
Full	For 16:9 squeeze pictures.
Cinema 16:9	For 16:9 letterbox pictures. Bars may appear on the top and bottom with some programmes.
Cinema 14:9	For 14:9 letterbox pictures. Bars may appear on the top and bottom with some programmes.
Dot by Dot	Displays an image with the same number of pixels on the screen (only when receiving 1080i/1080p signal).



NOTE

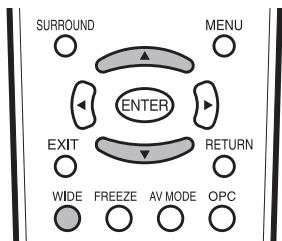
- Some screen sizes may not be displayable depending on the input signal.

WIDE mode (for PC input mode)

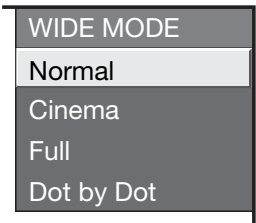
You can select the screen size.

NOTE

- Connect the PC before making adjustments.
- Selectable screen size may vary with input signal type.



- 1 Press **WIDE**.
- The WIDE MODE menu displays.

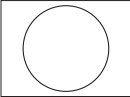
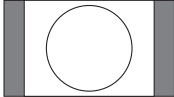
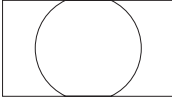
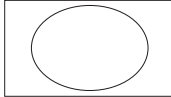
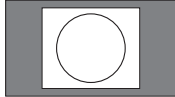
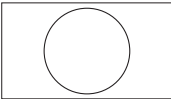
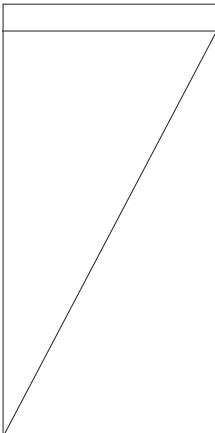
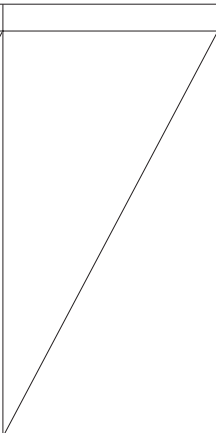
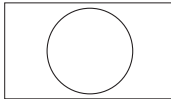
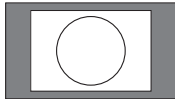


(Example)

- 2 Press **WIDE** or **▲/▼** to select a desired item on the menu.

EXAMPLE

Screen size images.

<p>Input Signal</p>  <p>1024 × 768</p>		<p>Normal</p>  <p>Keeps the original aspect ratio in a full screen display.</p>	<p>Cinema</p>  <p>For viewing wide screen programs. The top and bottom of the image is slightly cropped.</p>	<p>Full</p>  <p>An image fully fills the screen.</p>	<p>Dot by Dot</p>  <p>Detects the resolution of the signal and displays an image with the same number of pixels on the screen.</p>
<p>Input Signal</p>  <p>1360 × 768</p>				<p>Full</p>  <p>An image fully fills the screen.</p>	<p>Dot by Dot</p>  <p>Detects the resolution of the signal and displays an image with the same number of pixels on the screen.</p>

Useful adjustment settings

Audio Only

When listening to music from a music programme, you can set the display off and enjoy audio only.

- 1 Press **MENU** and the MENU screen displays.
- 2 Press **◀/▶** to select “Option”.
- 3 Press **▲/▼** to select “Audio Only”, and then press **ENTER**.
- 4 Press **◀/▶** to select “On”, and then press **ENTER**.

Selected item	Description
On	Audio is output without screen image.
Off	Both screen images and audio are output.

NOTE

- When you make operations that change the picture on the TV such as by changing the input source, the Audio Only function is set to “Off”.

DNR (Digital Noise Reduction)

Produces a clearer video image.

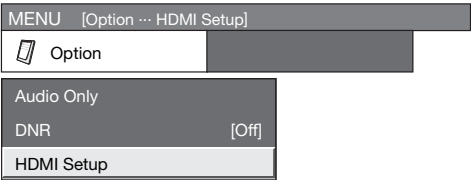
- 1 Press **MENU** and the MENU screen displays.
- 2 Press **◀/▶** to select “Option”.
- 3 Press **▲/▼** to select “DNR”, and then press **ENTER**.
- 4 Press **▲/▼** to select the desired level, and then press **ENTER**.



HDMI Setup

HDMI (High-Definition Multimedia Interface) terminal selection.

- 1 To watch an HDMI equipment image, select “INPUT3” or “INPUT4” using **TV/VIDEO** on the remote control unit or on the TV.
- 2 Press **MENU** and the MENU screen displays.
- 3 Press **◀/▶** to select “Option”.
- 4 Press **▲/▼** to select “HDMI Setup”, and then press **ENTER**.
 - The HDMI Setup can be selected only when “INPUT3” or “INPUT4” is selected.
- 5 Press **▲/▼** to select the desired item, and then press **ENTER**.



HDMI Setup items	Selectable items	Description
Signal Type	RGB/ YCbCr4:4:4/ YCbCr4:2:2	Select the video signal type from the HDMI terminal.
Auto View	Enable/ Disable	Set whether or not to use WIDE MODE based on signal recognition, including an HDMI signal.
Audio Select	Digital/ Analogue	Select “Digital” for audio signal via the HDMI terminal. Select “Analogue” for audio signal via the AUDIO jack.

- 6 Press **▲/▼/◀/▶** to select the desired setting, and then press **ENTER**.

NOTE

- Refer to your external equipment operation manual for the signal type.
- Item under “Signal Type” can be selected when the equipment is connected with a DVI-HDMI conversion cable.
- When the equipment is connected with an HDMI cable, items are automatically set and cannot be selected.
- “Audio Select” is only available for INPUT4.

Useful adjustment settings

Language setting for on-screen display

You can also select a language from setup menu. Select from among 3 languages: English, Chinese and Arabic.

- 1 Press **MENU** and the MENU screen displays.
- 2 Press ◀/▶ to select “Setup”.
- 3 Press ▲/▼ to select “Language”, and then press **ENTER**.
- 4 Press ▲/▼ to select the desired language listed on the screen, and then press **ENTER**.

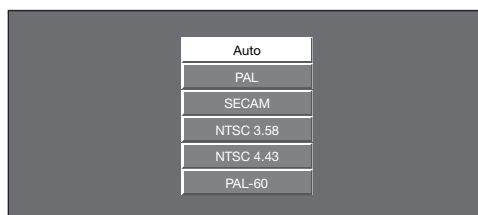
Identification

You can check the current version of the software on the screen.

Colour system setting

You can change the colour system to one that is compatible with the image on the screen.

- 1 Press **MENU** and the MENU screen displays.
- 2 Press ◀/▶ to select “Option”.
- 3 Press ▲/▼ to select “Colour System”, and then press **ENTER**.
- 4 Press ▲/▼ to select a compatible video signal system of your equipment, and then press **ENTER**.



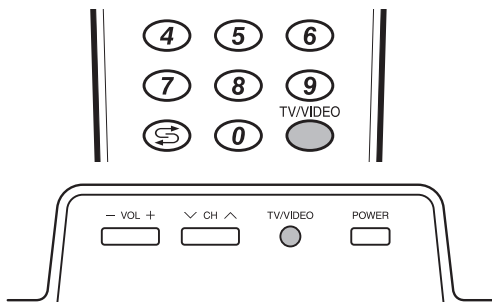
NOTE

- Factory preset value is “Auto”.
- If “Auto” is selected, colour system for each channel is automatically set. If an image does not display clearly, select another colour system (e.g. PAL, NTSC 4.43).

Using external equipment

Displaying an external equipment image

Explanation here is for the setting when connecting DVD player to INPUT1 terminal.

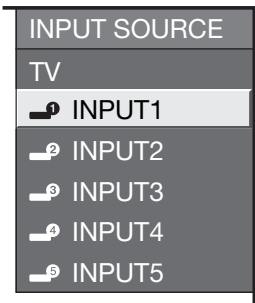


NOTE

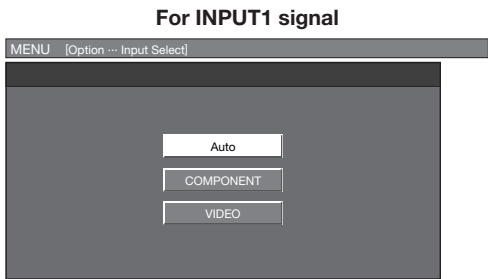
- Each time **TV/VIDEO** is pressed, the input source toggles.
- If the image does not come in clearly, you may need to change the input signal type setting on the “Input Select” menu.
- Refer to your external equipment operation manual for the signal type.

Displaying a DVD image (Example)

- 1
- To watch a DVD image, select “INPUT1” using **TV/VIDEO** on the remote control unit or **TV/VIDEO** on the TV.



- 2
- Select the desired signal type on “Input Select” in the “Option” menu.



The setting is stored and can be selected.

Input Select

Selecting input source

Can use for selecting the input source.

Using **TV/VIDEO** on the remote control unit or on the TV

TV/VIDEO allows you to choose from the available input sources.

- 1
- Press **TV/VIDEO** on the remote control unit or on the TV.
- 2
- Press **TV/VIDEO** on the remote control unit or on the TV to select the input source.
- The image and sound from the selected source are output on the TV.
 - You can also select the input source by pressing **▲/▼**.

Selecting input signal type

For setting the signal type of external equipment.

- 1
- Press **MENU** and the MENU screen displays.
- 2
- Press **◀/▶** to select “Option”.
- 3
- Press **▲/▼** to select “Input Select”, and then press **ENTER**.
- 4
- Press **▲/▼** to select a signal type you want to set, and then press **ENTER**.

Input source	Selectable item
INPUT 1	Auto, COMPONENT, VIDEO
INPUT 2	Auto, COMPONENT, VIDEO
INPUT 5	Auto, DIGITAL, ANALOGUE

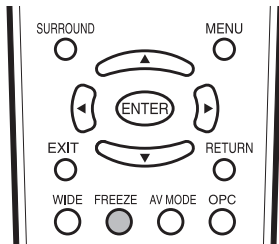
NOTE

- If no (colour) image displays, try to change the other signal type.
- Check the operation manual of the external equipment for the signal type.
- When the signal type is set to “Auto”, the input terminal where cable is connected is automatically selected.
- When the signal type is set to “Auto” and multiple video signal cables are connected, the signal type is selected in the following prioritised order:
INPUT 1/INPUT 2: COMPONENT→ VIDEO
- When the signal type for “INPUT5” is set to “DIGITAL” or “ANALOGUE”, a “PC” or “AV” signal is automatically detected.

Useful features

Freezing images

Allows you to capture and freeze one frame from a moving image that you are watching.



1

Press **FREEZE**.

- Captures one frame from a moving image.

2

Press **FREEZE** again to cancel the function.

NOTE

- This function does not work in INPUT 5.
- When this function is not available, "No still image display available" will display.
- The still image automatically goes out after 30 minutes.

Appendix

Troubleshooting

Problem	Possible Solution
<ul style="list-style-type: none"> No power. 	<ul style="list-style-type: none"> Check if you pressed POWER on the remote control unit. (See page 15.) If the indicator on the TV lights up red, press POWER. Is the AC cord disconnected? (See page 7.) Has the power been turned on? (See page 15.)
<ul style="list-style-type: none"> Unit cannot be operated. 	<ul style="list-style-type: none"> External influences such as lightning, static electricity, etc., may cause improper operation. In this case, operate the unit after first turning the power off the TV or unplugging the AC cord and re-plugging it in after 1 or 2 minutes.
<ul style="list-style-type: none"> Remote control unit does not operate. 	<ul style="list-style-type: none"> Are batteries inserted with polarity (+, -) aligned? (See page 5.) Are batteries worn out? (Replace with new batteries.) Are you using it under strong or fluorescent lighting? Is a fluorescent light illuminated to remote control sensor?
<ul style="list-style-type: none"> Picture is cut off. 	<ul style="list-style-type: none"> Is the image position correct? (See page 34.) Are screen mode adjustments such as picture size made correctly? (See pages 35, 37 and 38.)
<ul style="list-style-type: none"> Strange colour, light colour, or dark, or colour misalignment. 	<ul style="list-style-type: none"> Adjust the picture tone. (See pages 26 to 28 and 39.) Is the room too bright? The picture may look dark in a room that is too bright. Check the colour system setting. (See pages 22 and 40.) Check the input signal setting. (See pages 32 and 41.) Check the HDMI Setup setting. (See page 39.)
<ul style="list-style-type: none"> Power is suddenly turned off. 	<ul style="list-style-type: none"> The unit's internal temperature has increased. Remove any objects blocking vent or clean. Check the power control setting. (See page 30.) Is sleep timer set? (See page 17.)
<ul style="list-style-type: none"> No picture. 	<ul style="list-style-type: none"> Is connection to other equipment correct? (See pages 10 and 11.) Has input signal setup been done correctly after connection? (See pages 32 and 41.) Is the correct input selected? (See page 41.) Is picture adjustment correct? (See pages 26 to 28.) Is the antenna connected properly? (See page 9.) Is "On" selected in "Audio Only"? (See page 39.)
<ul style="list-style-type: none"> No sound. 	<ul style="list-style-type: none"> Is the volume too low? (See page 17.)

Cautions regarding use in high and low temperature environments

- When the unit is used in a low temperature space (e.g. room, office), the picture may leave trails or appear slightly delayed. This is not a malfunction, and the unit will recover when the temperature returns to normal.
- Do not leave the unit in a hot or cold location. Also, do not leave the unit in a location exposed to direct sunlight or near a heater, as this may cause the cabinet to deform and the LCD panel to malfunction.
Storage temperature: -20°C to +60°C.

RS-232C port specifications

PC Control of the TV

- When a programme is set, the TV can be controlled from the PC using the RS-232C terminal. The input signal (PC/video) can be selected, the volume can be adjusted and various other adjustments and settings can be made, enabling automatic programmed playing.
- Attach an RS-232C cable cross-type (commercially available) to the supplied Din/D-sub RS-232C for the connections.

NOTE

- This operation system should be used by a person who is accustomed to using PCs.

Communication conditions

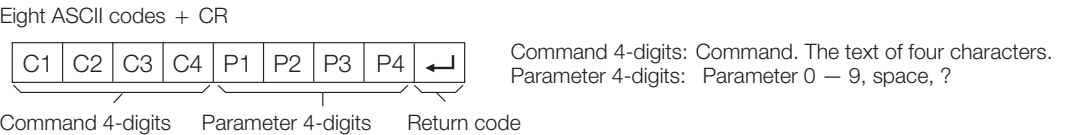
Set the RS-232C communications settings on the PC to match the communications conditions of the TV. The communications settings of the TV are as follows:

Baud rate:	9,600 bps
Data length:	8 bits
Parity bit:	None
Stop bit:	1 bit
Flow control:	None

Communication procedure

Send the control commands from the PC via the RS-232C connector.
The TV operates according to the received command and sends a response message to the PC.
Do not send multiple commands at the same time. Wait until the PC receives the OK response before sending the next command.

Command format



Parameter

Input the parameter values, aligning left, and fill with space(s) for the remainder. (Be sure that four values are input for the parameter.)
When the input parameter is not correct, "ERR" returns. (Refer to "Response code format".)

0			
0	0	0	9
-	3	0	
1	0	0	
0	0	5	5

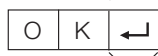
When "?" is input for some commands, the present setting value responds.

?			
?	?	?	?

Appendix

Response code format

Normal response



Return code (0DH)

Problem response (communication error or incorrect command)



Return code (0DH)

Commands

- Commands not indicated here are not guaranteed to operate.

CONTROL ITEM	COMMAND	PARAMETER	CONTROL CONTENTS
POWER SETTING	P O W R	0 _ _ _	POWER OFF (STANDBY)
INPUT SELECTION A	I T G D	_ _ _ _	INPUT SWITCHING (TOGGLE)
	I T V D	_ _ _ _	TV (CHANNEL FIXED)
	I A V D	* _ _ _	INPUT1—5 (1—5)
CHANNEL	D C C H	* _ _ _	TV DIRECT CHANNEL (1—99)
	C H U P	_ _ _ _	CHANNEL UP
	C H D W	_ _ _ _	CHANNEL DOWN
INPUT SELECTION B	I N P 1	0 _ _ _	INPUT1 (Auto)
	I N P 1	1 _ _ _	INPUT1 (COMPONENT)
	I N P 1	3 _ _ _	INPUT1 (VIDEO)
	I N P 2	0 _ _ _	INPUT2 (Auto)
	I N P 2	1 _ _ _	INPUT2 (COMPONENT)
	I N P 2	3 _ _ _	INPUT2 (VIDEO)
	I N P 5	0 _ _ _	INPUT5 (Auto)
	I N P 5	5 _ _ _	INPUT5 (DIGITAL)
	I N P 5	6 _ _ _	INPUT5 (ANALOGUE)
	I N P 5	7 _ _ _	PC
AV MODE SELECTION	A V M D	0 _ _ _	TOGGLE
	A V M D	1 _ _ _	STANDARD
	A V M D	2 _ _ _	MOVIE
	A V M D	3 _ _ _	GAME
	A V M D	4 _ _ _	USER
	A V M D	5 _ _ _	DYNAMIC (Fixed)
	A V M D	6 _ _ _	DYNAMIC
	A V M D	7 _ _ _	PC

NOTE

- If an underbar (_) appears in the parameter column, enter a space.
- If an asterisk (*) appears, enter a value in the range indicated in brackets under CONTROL CONTENTS.

CONTROL ITEM	COMMAND	PARAMETER	CONTROL CONTENTS
VOLUME	V O L M	* * _ _	VOLUME (0—60)
POSITION	H P O S	* * * _	H-POSITION (AV) (—10— +10)
	H P O S	* * * _	H-POSITION (PC) (0—180)
	V P O S	* * * _	V-POSITION (AV) (—20— +20)
	V P O S	* * * _	V-POSITION (PC) (0—100)
	C L C K	* * * _	CLOCK (0—180)
	P H S E	* * _ _	PHASE (0—40)
	P H S E	* * _ _	PHASE (0—40)
WIDE MODE	W I D E	0 _ _ _	TOGGLE (AV)
	W I D E	1 _ _ _	NORMAL (AV)
	W I D E	2 _ _ _	ZOOM 14:9 (AV)
	W I D E	3 _ _ _	PANORAMA (AV)
	W I D E	4 _ _ _	FULL (AV)
	W I D E	5 _ _ _	CINEMA 16:9 (AV)
	W I D E	6 _ _ _	CINEMA 14:9 (AV)
	W I D E	7 _ _ _	NORMAL (PC)
	W I D E	8 _ _ _	CINEMA (PC)
	W I D E	9 _ _ _	FULL (PC)
MUTE	W I D E	1 0 _ _	DOT BY DOT (PC)
	M U T E	0 _ _ _	TOGGLE
	M U T E	1 _ _ _	MUTE ON
SURROUND	M U T E	2 _ _ _	MUTE OFF
	A C S U	0 _ _ _	SURROUND TOGGLE
	A C S U	1 _ _ _	SURROUND ON
AUDIO CHANGE	A C S U	2 _ _ _	SURROUND OFF
	A C H A	_ _ _ _	TOGGLE
	A C H A	_ _ _ _	TOGGLE
SLEEP TIMER	O F T M	0 _ _ _	OFF
	O F T M	1 _ _ _	SLEEP TIMER 30 MIN
	O F T M	2 _ _ _	SLEEP TIMER 1 HOUR
	O F T M	3 _ _ _	SLEEP TIMER 1 HOUR 30 MIN
	O F T M	4 _ _ _	SLEEP TIMER 2 HOUR
	O F T M	5 _ _ _	SLEEP TIMER 2 HOUR 30 MIN

PC compatibility chart

	Resolution	Horizontal Frequency	Vertical Frequency	VESA Standard
VGA	720 × 400	31.5 kHz	70 Hz	
	640 × 480	31.5 kHz	60 Hz	✓
	640 × 480	37.9 kHz	72 Hz	✓
	640 × 480	37.5 kHz	75 Hz	✓
SVGA	800 × 600	35.1 kHz	56 Hz	✓
	800 × 600	37.9 kHz	60 Hz	✓
	800 × 600	48.1 kHz	72 Hz	✓
	800 × 600	46.9 kHz	75 Hz	✓

	Resolution	Horizontal Frequency	Vertical Frequency	VESA Standard
XGA	1024 × 768	48.4 kHz	60 Hz	✓
	1024 × 768	56.5 kHz	70 Hz	✓
	1024 × 768	60.0 kHz	75 Hz	✓
WXGA	1360 × 768	47.7 kHz	60 Hz	✓
SXGA	1280 × 1024	64.0 kHz	60 Hz	✓
SXGA+	1400 × 1050	65.3 kHz	60 Hz	✓

Specifications

Model			LC-42P7H
Item			
LCD panel			42" (106 cm) Advanced Super View & BLACK TFT LCD
Number of dots			6,220,800 dots (1920 × 1080 × 3 dots)
Video Colour System			PAL/SECAM/NTSC 3.58/NTSC 4.43/PAL 60
TV Function	TV-Standard		PAL: B/G, D/K, I SECAM: B/G, D/K, K/K _i NTSC: M
	Receiving Channel	VHF/UHF	44.25-863.25 MHz
		CATV	S1-S41ch (including Hyperband)
	TV-Tuning System		Auto Preset 99 ch
	STEREO/BILINGUAL		NICAM: B/G, I, D/K A2 stereo: B/G
Brightness			450 cd/m ²
Backlight life			60,000 hours (at Backlight Standard position)
Viewing angles			H : 176° V : 176°
Audio amplifier			15W × 2
Speakers			10 × 4 cm 4pcs
Terminals	Rear	ANTENNA IN	75 Ω DIN type
		INPUT 1	VIDEO in, AUDIO in, COMPONENT in (480I, 576I, 480P, 576P, 720P/50Hz, 720P/60Hz, 1080I/50Hz, 1080I/60Hz)
		INPUT 2	VIDEO in, AUDIO in, COMPONENT in (480I, 576I, 480P, 576P, 720P/50Hz, 720P/60Hz, 1080I/50Hz, 1080I/60Hz)
		INPUT 3	HDMI (HDMI input) (480I, 576I, 480P, 576P, 720P/50Hz, 720P/60Hz, 1080I/50Hz, 1080I/60Hz, 1080P/50Hz, 1080P/60Hz)
		INPUT 4	HDMI (HDMI input) (480I, 576I, 480P, 576P, 720P/50Hz, 720P/60Hz, 1080I/50Hz, 1080I/60Hz, 1080P/50Hz, 1080P/60Hz), AUDIO in
		INPUT 5	Ø 3.5mm jack (Audio input), DVI (DVI-I input)
		MONITOR OUTPUT	VIDEO out, AUDIO out
		RS-232C	9 pin D-sub male connector
OSD language			English/Chinese/Arabic
Power Requirement			AC 110-240 V, 50/60 Hz
Power Consumption			229 W (0.9 W Standby)
Weight	without stand		29.0 kg
	with stand		32.5 kg
Operating Temperature			0°C - 40°C

- As a part of policy of continuous improvement, SHARP reserves the right to make design and specification changes for product improvement without prior notice. The performance specification figures indicated are nominal values of production units. There may be some deviations from these values in individual units.

Optional accessories

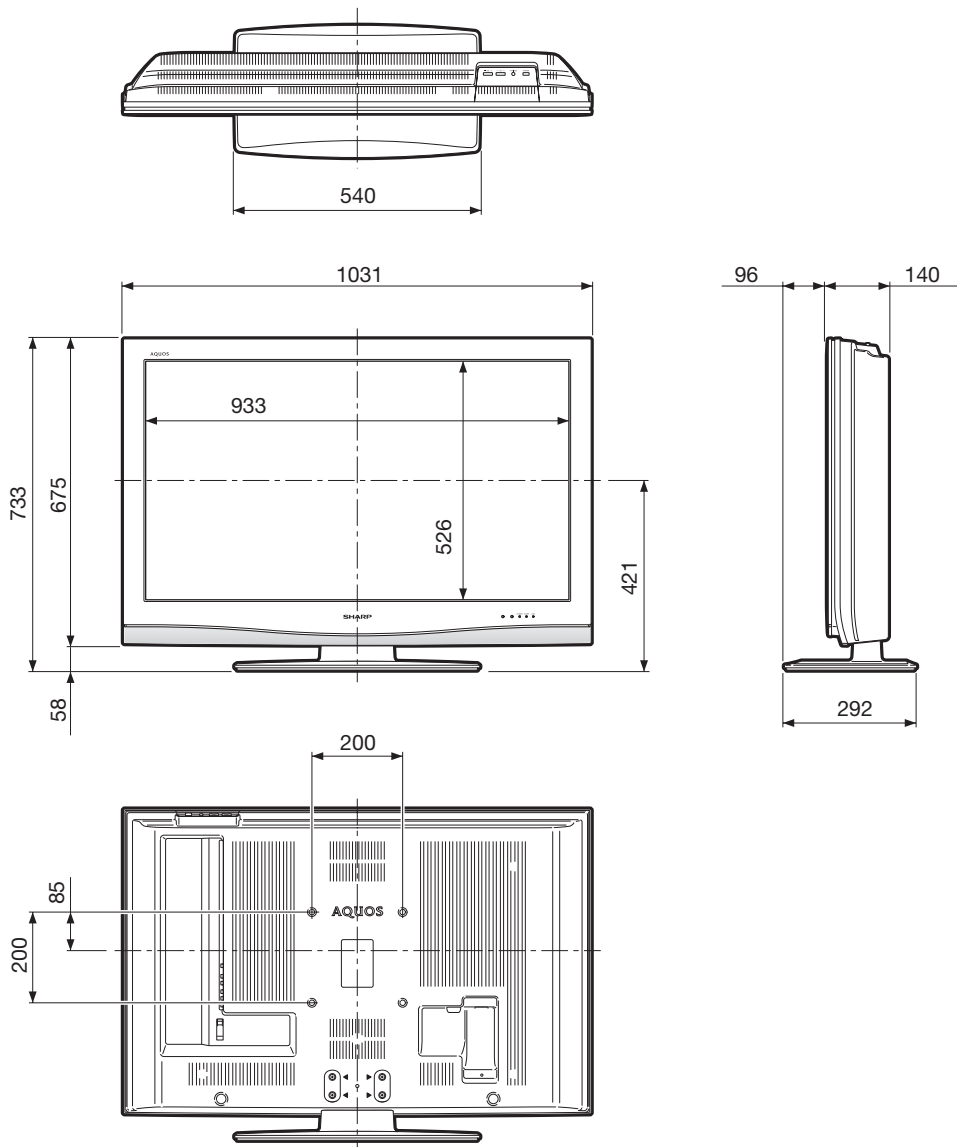
The listed optional accessories are available for the LCD colour TV. Please purchase them at your nearest shop.

- Additional optional accessories may be available in the near future. When purchasing, please read the newest catalogue for compatibility and check the availability.

Part name	Model number
Wall mount bracket	AN-37AG2
	AN-52AG1

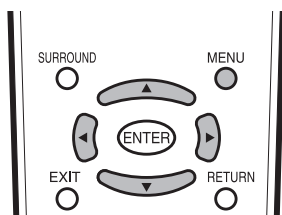
Dimensional drawings

Unit: mm



CLEARING THE PASSWORD

If you forget the password, clear the password using the following procedure.

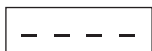


1

Press **MENU** to display the MENU screen, and then press ◀▶ to select "Setup".

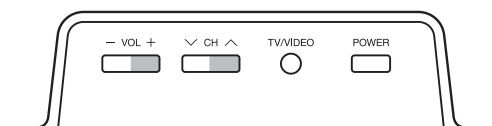
2

Press ▲/▼ to select "Auto Installation", "Programme Setup", "Child Lock", and the password input screen displays.



3

Press and hold both **CH**▲ and **VOL** + on the TV simultaneously until the message appears on the screen.



The Password is

--	--	--	--

.

NOTE

- As a precautionary measure, make a note of your password above, scissor it from this manual, and keep it in a familiar place.

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